

# 1916

Service Tools for Over 60 Years

# 1976



# Kent-Moore

Passenger Car Edition

GENERAL MOTORS



## INTRODUCTION

Kent-Moore "Rate-Maker" special service tools are designed in cooperation with product manufacturers to insure the proper tool is available for the job. In development of these tools many factors are considered—

1. No standard hand tool can perform the job properly.
2. The tool is designed for efficiency.
3. Parts damage is eliminated through design.
4. Profit for the service department and assurance of a job done right.

The leading manufacturers are served by Kent-Moore's research design, manufacturing and distribution facilities throughout the world.

The maintenance manuals of this impressive segment of American industry, recommend Kent-Moore tools to perform service jobs according to factory specifications. Complete step by step instructions are shown in their manuals.

All Kent-Moore tools and equipment are thoroughly inspected before leaving our plants and each customer is assured of receiving a new tool of equal quality and design as that furnished to everyone else.

Every tool must conform to rigid standards. There are no "seconds" in the Kent-Moore line.

## Doing Business With Kent-Moore Tool Division

**HOW TO ORDER** ANYONE may order Kent-Moore tools direct. Mail or phone to Kent-Moore Tool Division, 1501 S. Jackson Street, Jackson, Michigan 49203. Phone: 517-784-8561, Telex: 22-3413.

**HOW TO USE CATALOG** This catalog has been developed to help you find the special service tools you need with the least amount of effort in the least amount of time. If you know the tool number and its section of use, refer to the pages listed under the INDEX TO SECTIONS there you will find the tools you need listed in numerical sequence.

### THOSE WHO ARE ORDERING FOR THE FIRST TIME

1. State quantity, tool number and complete description of each item.
2. Order on your purchase order, letterhead paper, or use one of our self mailing order blanks.
3. Be sure you have your complete name, address, and zip code number on the order.
4. Include credit references if open account requested (bank plus two trade references).

**SHIPMENTS** f.o.b. Roseville, Michigan

**TAXES** State and local sales and/or use tax will be added to order if applicable.

**ROUTING** Shipments will be made by any method you specify.

**CUSTOMER SPECIAL SERVICE** To assist in the unusual situation regarding:

- A. Emergency Orders—Try to call before 11:00 a.m. (EST).
- B. Service Parts—All Kent-Moore products are serviced and replacement items are available. To order or obtain price information on unidentified parts, please describe the required part as thoroughly as possible using whatever tool numbers available.
- C. Assistance in Ordering—Orders, follow-up, tracing, product information availability, pricing—contact Order Department 784-8561 or write Kent-Moore Tool Division, 1501 S. Jackson, Jackson, Michigan 49203 Telex: 22-3413.

**TERMS** Open Account (Approved credit), C.O.D. or cash (check attached).

## WARRANTY

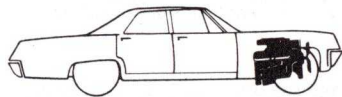
The tools in this catalog are warranted to be free from defects and workmanship under normal use and service for a period of one year after the sale of the product by Kent-Moore. Kent-Moore's sole obligation under this Warranty shall be to repair or replace any defective product or parts thereof, which are returned to Seller's factory, transportation charges pre-paid within the period mentioned above, and which upon examination are proved to Seller's satisfaction to be defective. The Warranty shall not apply to any product or part which has been subject to misuse, negli-

gence or accident. The Seller shall not be responsible for any special or consequential damages and the Warranty as set forth is in lieu of all other warranties either expressed or implied.

**However, seller makes no warranty of merchantability in respect of any of the goods offered in this catalog for any particular purpose other than that stated in this catalog and any applicable manufacturer's shop or service manuals referred to therein, including any subsequent service bulletins.**



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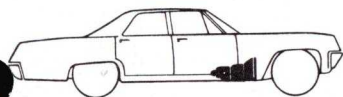
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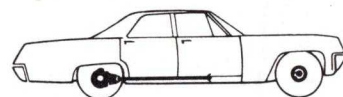


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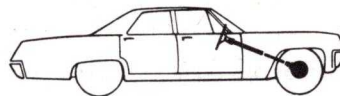
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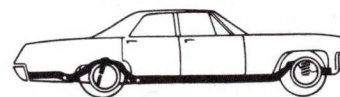
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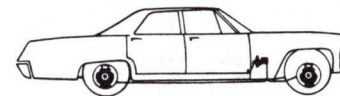
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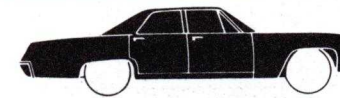
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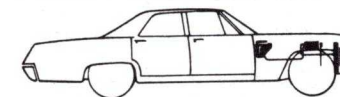
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# SHIPPING RATES — Parcel Post • Truck Freight • United Parcel Service

## PARCEL POST

PLEASE READ BELOW FOR POSTAL REGULATIONS AND LIMITATIONS NOW IN EFFECT

If destination is first class post-office in local, 1st through 8th zones inclusive, combined length and girth of package is limited to 84 inches, and maximum weight of 40 lbs.

If destination is NOT a first class post-office, the previous size of 100 inches and weight limited to 70 lbs. will continue in effect.

There are exceptions to postal regulations and limitations that do not affect our line of merchandise.

### EXCEPTIONS

Parcels weighing less than 15 pounds, and measuring over 84 inches but not exceeding 100 inches in length and girth combined, are chargeable with a minimum rate equal to that for a 15 pound parcel for the zone to which addressed.

Third class rates apply up to but not including one pound

Weight 1 lb. and not to exceed	Local Zone	Up to 150 miles 1-2	150 to 300 miles 3	300 to 600 miles 4	600 to 1,000 miles 5	1,000 to 1,400 miles 6	1,400 to 1,800 miles 7	Over 1,800 miles 8
2 pounds	\$0.77	\$0.90	\$0.93	\$1.04	\$1.15	\$1.28	\$1.40	\$1.48
3	.82	.97	1.02	1.15	1.29	1.46	1.62	1.74
4	.86	1.04	1.10	1.25	1.42	1.63	1.84	2.00
5	.91	1.11	1.19	1.36	1.56	1.81	2.06	2.26
6 pounds	.95	1.18	1.27	1.46	1.69	1.98	2.28	2.52
7	1.00	1.25	1.36	1.57	1.83	2.16	2.50	2.78
8	1.04	1.32	1.44	1.67	1.96	2.33	2.72	3.04
9	1.09	1.39	1.53	1.78	2.10	2.51	2.94	3.30
10	1.13	1.46	1.61	1.88	2.23	2.68	3.16	3.56
11 pounds	1.18	1.53	1.70	1.99	2.37	2.86	3.38	3.82
12	1.22	1.60	1.78	2.09	2.50	3.03	3.60	4.08
13	1.27	1.67	1.87	2.20	2.64	3.21	3.82	4.34
14	1.31	1.74	1.95	2.30	2.77	3.38	4.04	4.60
15	1.36	1.81	2.04	2.41	2.91	3.56	4.26	4.86
16 pounds	1.40	1.88	2.12	2.51	3.04	3.73	4.48	5.12
17	1.45	1.95	2.21	2.62	3.18	3.91	4.70	5.38
18	1.49	2.02	2.29	2.72	3.31	4.08	4.92	5.64
19	1.54	2.09	2.38	2.83	3.45	4.26	5.14	5.90
20	1.58	2.16	2.46	2.93	3.58	4.43	5.36	6.16
21 pounds	1.63	2.23	2.55	3.04	3.72	4.61	5.58	6.42
22	1.67	2.30	2.63	3.14	3.85	4.78	5.80	6.68
23	1.72	2.37	2.72	3.25	3.99	4.96	6.02	6.94
24	1.76	2.44	2.80	3.35	4.12	5.13	6.24	7.20
25	1.81	2.51	2.89	3.46	4.26	5.31	6.46	7.46
26 pounds	1.85	2.58	2.97	3.56	4.39	5.48	6.68	7.72
27	1.90	2.65	3.06	3.67	4.53	5.66	6.90	7.98
28	1.94	2.72	3.14	3.77	4.66	5.83	7.12	8.24
29	1.99	2.79	3.23	3.88	4.80	6.01	7.34	8.50
30	2.03	2.86	3.31	3.98	4.93	6.18	7.56	8.76
31 pounds	2.08	2.93	3.40	4.09	5.07	6.36	7.78	9.02
32	2.12	3.00	3.48	4.19	5.20	6.53	8.00	9.28
33	2.17	3.07	3.57	4.30	5.34	6.71	8.22	9.54
34	2.21	3.14	3.65	4.40	5.47	6.88	8.44	9.80
35	2.26	3.21	3.74	4.51	5.61	7.06	8.66	10.06
36 pounds	2.30	3.28	3.82	4.61	5.74	7.23	8.88	10.32
37	2.35	3.35	3.91	4.72	5.88	7.41	9.10	10.58
38	2.39	3.42	3.99	4.82	6.01	7.58	9.32	10.84
39	2.44	3.49	4.08	4.93	6.15	7.76	9.54	11.10
40	2.48	3.56	4.16	5.03	6.28	7.93	9.76	11.36
41 pounds	2.53	3.63	4.25	5.14	6.42	8.11	9.98	11.62
42	2.57	3.70	4.33	5.24	6.55	8.28	10.20	11.88
43	2.62	3.77	4.42	5.35	6.69	8.46	10.42	12.14
44	2.66	3.84	4.50	5.45	6.82	8.63	10.64	12.40
45	2.71	3.91	4.59	5.56	6.96	8.81	10.86	12.66
46 pounds	2.75	3.98	4.67	5.66	7.09	8.98	11.08	12.92
47	2.80	4.05	4.76	5.77	7.23	9.16	11.30	13.18
48	2.84	4.12	4.84	5.87	7.36	9.33	11.52	13.44
49	2.89	4.19	4.93	5.98	7.50	9.51	11.74	13.70
50	2.93	4.26	5.01	6.08	7.63	9.68	11.96	13.96
51 pounds	2.98	4.33	5.10	6.19	7.77	9.86	12.18	14.22
52	3.02	4.40	5.18	6.29	7.90	10.03	12.40	14.48
53	3.07	4.47	5.27	6.40	8.04	10.21	12.62	14.74
54	3.11	4.54	5.35	6.50	8.17	10.38	12.84	15.00
55	3.16	4.61	5.44	6.61	8.31	10.56	13.06	15.26
56 pounds	3.20	4.68	5.52	6.71	8.44	10.73	13.28	15.52
57	3.25	4.75	5.61	6.82	8.58	10.91	13.50	15.78
58	3.29	4.82	5.69	6.92	8.71	11.08	13.72	16.04
59	3.34	4.89	5.78	7.03	8.85	11.26	13.94	16.30
60	3.38	4.96	5.86	7.13	8.98	11.43	14.16	16.56
61 pounds	3.43	5.03	5.95	7.24	9.12	11.61	14.38	16.82
62	3.47	5.10	6.03	7.34	9.25	11.78	14.60	17.08
63	3.52	5.17	6.12	7.45	9.39	11.96	14.82	17.34
64	3.56	5.24	6.20	7.55	9.52	12.13	15.04	17.60
65	3.61	5.31	6.29	7.66	9.66	12.31	15.26	17.86
66 pounds	3.65	5.38	6.37	7.76	9.79	12.48	15.48	18.12
67	3.70	5.45	6.46	7.87	9.93	12.66	15.70	18.38
68	3.74	5.52	6.54	7.97	10.06	12.83	15.92	18.64
69	3.79	5.59	6.63	8.08	10.20	13.01	16.14	18.90
70	3.83	5.66	6.71	8.18	10.33	13.18	16.36	19.16

## PARCEL POST INSURANCE FEES

Indemnity	Insurance For Parcel Post
\$0.01 to \$15.00.....	25 cents
\$15.01 to \$50.00.....	40 cents
\$50.01 to \$100.00.....	50 cents
\$100.01 to \$150.00.....	65 cents
\$150.01 to \$200.00.....	80 cents

For fees from \$200 to \$1,000, contact your local postmaster.

## TRUCK FREIGHT

Truck freight rates are based on weight, kind of merchandise and distance. All freight shipments are sent "Freight Collect" and you pay the agent on delivery. Shipments of less than 100 lbs. are charged at the rate of 100 lbs. The minimum charge is the rate for 100 lbs. of the highest rated article in the shipment. It rarely pays to ship by freight unless your order weighs nearly 100 lbs. or more. Items will be shipped to you by truck if not deliverable by Parcel Post or United Parcel Service.

"If due to the size and weight restrictions on Parcel Post or United Parcel Service, you must ship by truck, contact your local carrier for costs before placing your order."

## UNITED PARCEL SERVICE

RATE CHART FOR SERVICE TO ALL STATES EXCEPT ALASKA. HAWAII-MAIN ISLAND ONLY.

Alabama	Illinois	Michigan	North Carolina	Tennessee
Arkansas	Indiana	Minnesota	North Dakota	Texas
California	Iowa	Mississippi	Ohio	Vermont
Colorado	Kansas	Missouri	Oklahoma	Virginia
Connecticut	Kentucky	Nebraska	Oregon	Washington
Delaware	Louisiana	New Hampshire	Pennsylvania	West Virginia
D.C.	Maine	New Jersey	Rhode Island	Wisconsin
Florida	Maryland	New Mexico	South Carolina	Wyoming
Georgia	Massachusetts	New York	South Dakota	

Any fraction of a pound over the weight shown takes the next higher rate

Weight Not to Exceed	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8	Weight Not to Exceed	Zone 2	Zone 3	Zone 4	Zone 5	Zone 6	Zone 7	Zone 8
1 lb.	\$ .66	\$ .68	\$ .70	\$ .73	\$ .76	\$ .80	\$ .85	26 lb.	\$2.16	\$2.55	\$3.20	\$3.85	\$4.76	\$5.80	\$6.97
2 "	.72	.75	.80	.85	.92	1.00	1.09	27 "	2.22	2.63	3.30	3.98	4.92	6.00	7.22
3 "	.78	.83	.90	.98	1.08	1.20	1.34	28 "	2.28	2.70	3.40	4.10	5.08	6.20	7.46
4 "	.84	.90	1.00	1.10	1.24	1.40	1.58	29 "	2.34	2.78	3.50	4.23	5.24	6.40	7.71
5 "	.90	.98	1.10	1.23	1.40	1.60	1.83	30 "	2.40	2.85	3.60	4.35	5.40	6.60	7.95
6 "	.96	1.05	1.20	1.35	1.56	1.80	2.07	31 "	2.46	2.93	3.70	4.48	5.56	6.80	8.20
7 "	1.02	1.13	1.30	1.48	1.72	2.00	2.32	32 "	2.52	3.00	3.80	4.60	5.72	7.00	8.44
8 "	1.08	1.20	1.40	1.60	1.88	2.20	2.56	33 "	2.58	3.08	3.90	4.73	5.88	7.20	8.69
9 "	1.14	1.28	1.50	1.73	2.04	2.40	2.81	34 "	2.64	3.15	4.00	4.85	6.04	7.40	8.93
10 "	1.20	1.35	1.60	1.85	2.20	2.60	3.05	35 "	2.70	3.23	4.10	4.98	6.20	7.60	9.18
11 "	1.26	1.43	1.70	1.98	2.36	2.80	3.30	36 "	2.76	3.30	4.20	5.10	6.36	7.80	9.42
12 "	1.32	1.50	1.80	2.10	2.52	3.00	3.54	37 "	2.82	3.38	4.30	5.23	6.52	8.00	9.67
13 "	1.38	1.58	1.90	2.23	2.68	3.20	3.79	38 "	2.88	3.45	4.40	5.35	6.68	8.20	9.91
14 "	1.44	1.65	2.00	2.35	2.84	3.40	4.03	39 "	2.94	3.53	4.50	5.48	6.84	8.40	10.16
15 "	1.50	1.73	2.10	2.48	3.00	3.60	4.28	40 "	3.00	3.60	4.60	5.60	7.00	8.60	10.40
16 "	1.56	1.80	2.20	2.60	3.16	3.80	4.52	41 "	3.06	3.68	4.70	5.73	7.16	8.80	10.65
17 "	1.62	1.88	2.30	2.73	3.32	4.00	4.77	42 "	3.12	3.75	4.80	5.85	7.32	9.00	10.89
18 "	1.68	1.95	2.40	2.85	3.48	4.20	5.01	43 "	3.18	3.83	4.90	5.98	7.48	9.20	11.14
19 "	1.74	2.03	2.50	2.98	3.64	4.40	5.26	44 "	3.24	3.90	5.00	6.10	7.64	9.40	11.38
20 "	1.80	2.10	2.60	3.10	3.80	4.60	5.50	45 "	3.30	3.98	5.10	6.23	7.80	9.60	11.63
21 "	1.86	2.18	2.70	3.23	3.96	4.80	5.75	46 "	3.36	4.05	5.20	6.35	7.96	9.80	11.87
22 "	1.92	2.25	2.80	3.35	4.12	5.00	5.97	47 "	3.42	4.13	5.30	6.48	8.12	10.00	12.12
23 "	1.98	2.33	2.90	3.48	4.28	5.20	6.24	48 "	3.48	4.20	5.40	6.60	8.28	10.20	12.36
24 "	2.04	2.40	3.00	3.60	4.44	5.40	6.48	49 "	3.54	4.28	5.50	6.73	8.44	10.40	12.61
25 "	2.10	2.48	3.10	3.73	4.60	5.60	6.73	50 "	3.60	4.35	5.60	6.85	8.60	10.60	12.85

Orders must include your street address or your route and box number if shipment is to be made via United Parcel Service.

## For Determining Zones From All Postal Units Having ZIP Codes 48001-48299

This zone chart lists the first three digits (prefix) of the ZIP Codes of the sectional center facility of address.

To determine the zone distance to a particular post office, ascertain the ZIP Code of the post office to which the parcel is addressed. The first three digits of that ZIP Code are included in this chart, and to the right thereof the zone.

Zip Code Prefix Zone	Zip Code Prefix Zone	Zip Code Prefix Zone	Zip Code Prefix Zone	Zip Code Prefix Zone	Zip Code Prefix Zone
010-018 4	254 4	356-359 4	476-477 4	588-593 6	798-799 7
019 5	255-257 3	360-361 5	478-479 3	594 7	
020-024 4	258-259 4	362 4	480-495 2	595 6	800-831 6
025-029 5	260-268 3	363-369 5	496-497 3	596-599 7	832-865 7
030-037 4	270-283 4	370-386 4	498-499 4		870-871 6
038-049 5	284 5	387-397 5		600-611 3	873 7
050-089 4	285-293 4		500-508 4	612-616 4	874-878 6
	294 5	400-406 3	510-512 5	617-619 3	879-880 7
100-139 4	295-297 4	407-409 4	513-514 4	620-639 4	881-884 6
140-147 3	298-299 5	410-414 3	515-516 5	640-645 5	890-893 7
148-149 4		415-427 4	520-528 4	646 4	894-897 8
150-163 3	300-303 4	430-432 2	530-538 3	647-648 5	898 7
164-165 2	304 5	433-436 2	539-540 4	650-655 4	
166-193 3	305-307 4	437-439 3	541-543 3	656-693 5	900-961 8
170-199 4	308-329 4	440-449 2	542-548 4		919-977 8
	330-334 6	450-457 3	549 3	700-722 5	978-979 8
200-214 4	335-338 5	458 2	550-561 4	723-724 4	980-986 8
215 3	339 6	460-464 3	562 5	725-763 5	988-989 8
216-249 4	350-352 4	465-468 2	563-564 4	764-797 6	990-994 7
250-253 3	354-355 5	469-475 3	565-587 5		





## J 9789-02 Universal Carburetor Gauge Set

The J 9789-02 Universal Carburetor Gauge Set provides the most convenient and economical method of rapidly performing complete and efficient carburetor service. Easy to use, this set eliminates the need for you to purchase additional gauges every time you desire to service a new or different carburetor.

The Gauge Set consists of the following items:

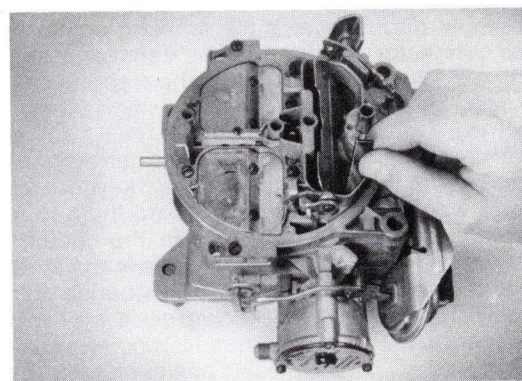
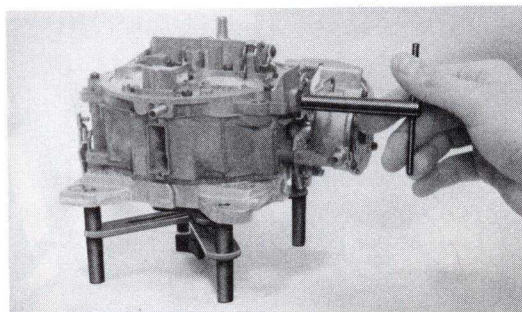
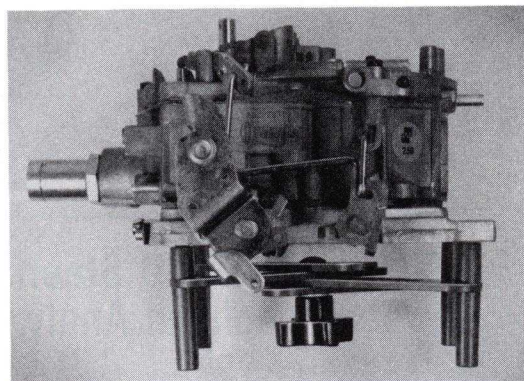
.015, .020, .025, .030, .035, .040, .045, .050, .055, .060, .065, .070, .075, .080, .085, .090, .095, .100, .110, .120, .130, .140, .150, .160, .170, .180, .190, .200, .215, .230, .245, and .260 wire gauges. .275, .300, .325, .350, .375, .400, .450, and .500 plug gauges. .375, .400, .430, & .450 flat gauges. An adjustable sliding scale for float drop and other measurements. A linkage bending tool and an adjustable carburetor stand.

Each gauge is individually marked with its decimal inch dimension. In addition, this set includes metric equivalent values that conform to the G.M. Conversion procedures.

The new carburetor stand will safely support any carburetor, allowing the mechanic use of both hands to make adjustments.

The bending tool gives positive control and allows simple adjustment to carburetor linkages: I.E. Pump lever, air valve rod, vacuum brake rod, etc.

The new flat gauges allow adjustment in areas where carburetor body irregularities cause plug gauges to give inaccurate results, I.E. 4 bbl. vacuum brake, etc.







## J 23040 TAC-CAL Tachometer Calibrating Device

Present and future automotive emissions standards have caused greater emphasis to be placed upon the proper tuning of engines. One of the most important pieces of equipment used for tuning an engine is the tachometer. With use, tachometers frequently lose some of their accuracy. Any tachometer inaccuracy will cause the engine RPM rate during the tune-up operation to deviate from the manufacturer's recommended level.

Kent-Moore's TAC-CAL provides the capability for testing the accuracy of most primary and secondary tachometers by supplying appropriate test signals. Necessary connections for hooking the tachometer to the calibrator are provided on the face of the instrument.

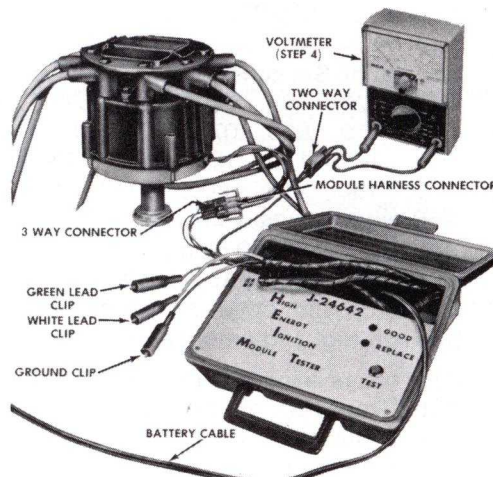
The TAC-CAL provides the following signals for primary reading tachometers: 8 Cylinder Scale—1800 RPM, 900 RPM, 600 RPM; 6 Cylinder Scale—2400 RPM, 1200 RPM, 800 RPM; 4 Cylinder Scale—3600 RPM, 1800 RPM, 1200 RPM. The calibrator also provides signals for 1800 RPM, 900 RPM and 600 RPM for secondary reading tachometers. Accuracy  $\pm 2\%$ .



## J 23980 Steering Column Analyzer

By simply disconnecting the steering column harness connector and the chassis connector and inserting this analyzer in place of the steering column electrical components from the car system. If after inserting the analyzer and checking the functions of the horn, turn signal, key buzzer or hazard warning system and you find them to function *normally* with the analyzer in the circuit, you would then know that the problem is in the steering column. The analyzer replaces the steering column electrical system with a known good system, the analyzer itself.

## J 24642 H.E.I. Module Tester



This analyzer provides complete "Go, No-go" testing of the GM High Energy Ignition System. Suspected H.E.I. distributor component (ignition coil, pick-up coil, module) problems can be pin-pointed without removing the distributor or H.E.I. Module. Complete operating instructions are provided to perform all component tests in less than 10 minutes. The analyzer includes all necessary adapters for testing G.M. vehicles equipped with H.E.I. Also, J 24642-2 Adapter is available for checking 1972-75 model Pontiacs equipped with Unitized Ignition Systems.





## J 25400 E.F.I. Analyzer

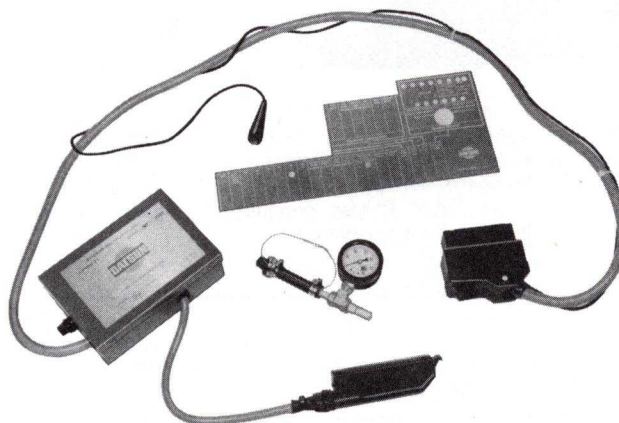
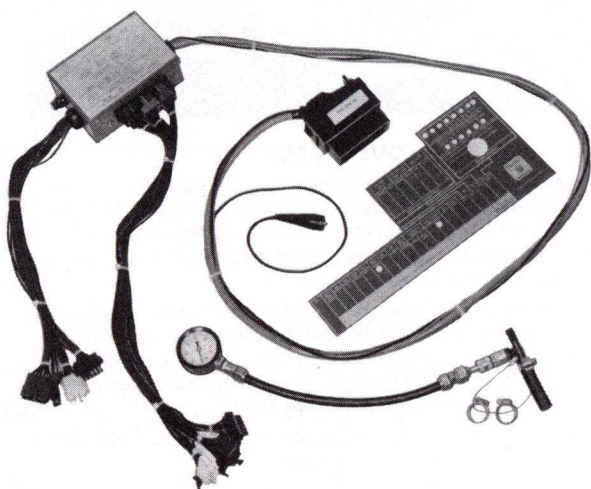
The new J 25400 E.F.I. Analyzer eliminates the guesswork from electronic fuel injection system problem diagnosis with the following features:

1. Static & dynamic tests of all system components (incl. ECU) to pin-point suspected problem areas.
2. Under most conditions, vehicle can be driven to repair station if EFI system failure happens, using tester.
3. Monitors key functions as vehicle is driven under varied conditions, including injector pulse duration, to confirm EFI system is operating properly.

Adapter packages for J 25400 EFI Analyzer are currently available for the following vehicles:

J 25400-10: Cadillac Seville  
(E.F.I. equipped Deville and El Dorado)

J 25400-30: Datsun 280Z



Complete operating instructions and all necessary electrical harness and fuel line adapters are included with the above kits.



**MONOXIVENT**—*the original line of exhaust eliminating equipment*

Kent-Moore offers complete Monoxivent exhaust eliminating systems for both underfloor and overhead installations.

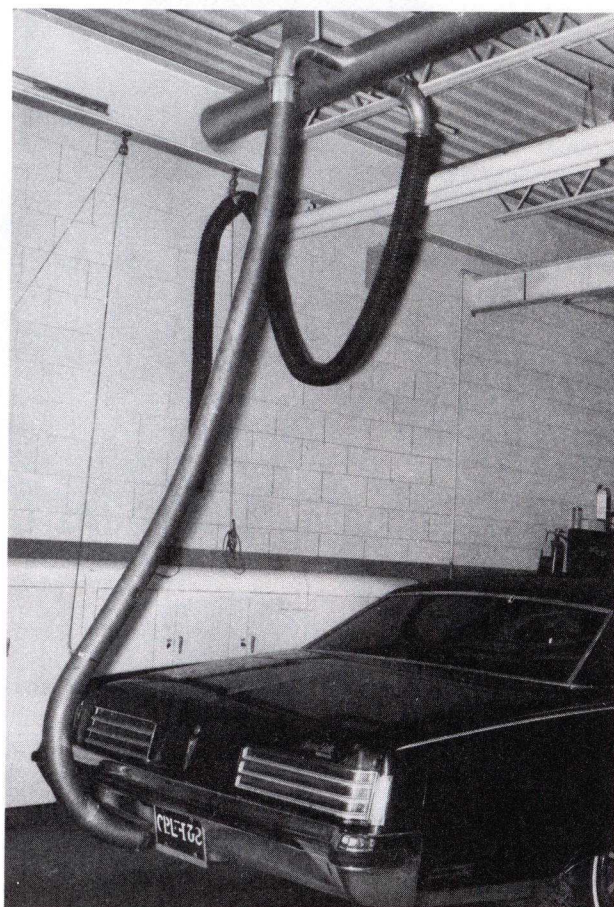


**UNDERFLOOR**

The KM 23660 deluxe outlet features interchangeable adapter plates to accommodate various tubing sizes plus telescoping fittings which permit its use with transite and vitrified tile main ducts. It also provides the adjustability required for flush-to-floor installation.

**BLOWERS**

Kent-Moore offers a complete line of low cost but efficient, dependable blowers.



**OVERHEAD**

The Monoxivent Overhead System was designed with cost, ease of installation and simplicity in mind. Overhead installations are particularly suitable for use in new multi-story service facilities; for existing buildings; and the addition or expansion to an existing exhaust system.















The Monoxivent Overhead System consists of flange adapters—for adapting the flexible tubing to the main duct; lifting straps—for attachment of rope or cable to the flexible tubing; winch, rope and pulleys—for raising and lowering the flexible tubing; and a properly sized blower.

Each part may be purchased separately and you need only order those parts which you can use.





The Kent-Moore *Monoxivent* line is sold through manufacturers representatives who can answer your questions, recommend suggested systems which meet local codes and install the system. Just call 517-ST4-8561 or write 1501 S. Jackson St., Jackson, Michigan 49203 for the name of the representative in your area.













**ALTERNATOR, GENERATOR AND STARTER TOOLS**

	J 5184	Brush Tension Scale	ALL — Generators & Starters		J 21053	Alternator Output Test Adapter (Jumper Wire)	DELCO TRON & MOTOROLA
	J 9600-2	Diode Installer	DELCO TRON		J 21154	Bearing & Snap Ring Installer	MOTOROLA
	J 9717-1	Diode Remover	DELCO TRON		J 21155	Bearing Remover	MOTOROLA
	J 9717-2	Diode Support	DELCO TRON		J 21156	Front Housing to Rotor Installer	MOTOROLA
	J 9782-1	Jumper Lead	MOTOROLA & DELCO TRON		J 21157	Snap Ring Remover #23-45° (Internal)	MOTOROLA
	J 9782-3	Four-Wire Connector	MOTOROLA & DELCO TRON		J 21501	Torque Adapter — Pulley Retaining Nut	DELCO TRON
	J 21008	Diode Test Light & Continuity Checker	ALL		J 23526	Alternator Diode Remover & Installer	OPEL — 1969

**BATTERY TOOLS**












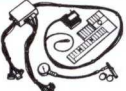




	J 8047	Battery Post & Terminal Cleaning Brush	ALL		J 23686	Battery Carrying Tool	ALL
	J 8127	Battery Service Tool Set	ALL		J 23688	Hydro-Spy (See page 32)	ALL

**DISTRIBUTOR TOOLS**

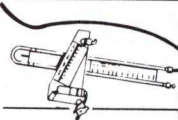

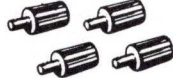
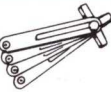




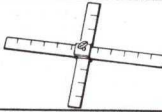

	J 5727-02	Distributor Wrench	BUICK thru 1974		J 22967-01	Carburetor and Distributor Adjusting Tool (Includes 1/8" Key Bit Assy., Screw Driver Bit)	ALL-DELCO with Side Opening
	J 8009	Distributor Cap Terminal Cleaner	ALL		J 24578	High Energy Ignition (HEI) Module Tester (See Page 3)	ALL GM except Chev.
	J 9534-01	Distributor Shaft Pilot Bearing Remover	ALL		J 24642	High Energy Ignition (HEI) Module Tester (See Page 3)	72-77 PONTIAC 75-77 ALL GM
	J 10250-01	Distributor Tool Kit	HOLLEY		J 24642-2	Unit Ignition Adapter Use with J 24642	72-74 PONTIAC
	J 22646	Carburetor & Distributor Adjusting Tool	ALL-DELCO with side opening		J 26792	H.E.I. Tester (Spark Check) (See Page 31)	ALL G.M.



## ELECTRICAL









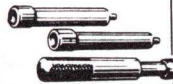


















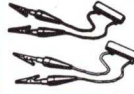


	J 8681	Short Checker	UNIVERSAL		J 24388	Starter Interlock & Air Cushion Restraint System Harness Connector Extractor	74-77 GM
	J 21350	Spark Plug Terminal Clip Pliers	ALL		J 24628	Air Cushion Restraint System (ACRS) Resistance Tester	ALL GM Cars 1974-77
	J 21600	Wiring Harness Test Adapter	ALL — Transistorized Regulators		J 24628-4	Air Cushion Restraint System (ACRS) Resistance Tester	ALL GM Cars 1974-77
	J 22694	Spark Plug Socket (All 5/8" Hex Plugs)	ALL GM		J 25079	Windshield Wiper Systems Tester (See Page 66)	ALL GM
	J 22727	Terminal Remover	GM		J 25400	Electronic Fuel Injection Analyzer Base Unit (Use Adapters Below) (See Page 4)	CAD
	J 22973	Thermometer-Voltage Regulator & Ther-Mac (60° F—160° F)	ALL		J 24500-10	E.F.I. Adapter for Cadillac (Used with J 24500 Base Unit)	CAD
	J 23040	Tac-Cal Tachometer Calibrating Device (see page 3)	ALL Electrical Tachometers		J 26290	Delcotron Diagnostic Tester (See Page 11)	ALL Delcotron with Integrated Regulator
	J 23980	Steering Column Analyzer (Electrical Components (see page 3)	1969-77 GM		J 26426	Plug-In Diagnostic Connector Tester	CHEVETTE — CHEV. BUICK, PONT., OLDS. 1977 "B" & C Body

## CARBURETOR, FUEL INJECTION &amp; GENERAL FUEL TOOLS

	J 7090-01	Fuel Injection Calibrating Gauge	ALL Rochester Fuel Injection		J 9789-111	Bending Tool	ALL
	J 8328	Carburetor Holding Tool (Set of 4)	ALL		J 9789-118	Carburetor Holding Stand	ALL
	J 8381	Gas-Per-Mile Gauge (1/10 gal.)	ALL cars with engine mounted fuel pumps		J 9789-126	Flat Gauge Set .375," .400," .430," .450"	ALL
	J 9789-02	Universal Carburetor Gauge Set (See Page 2)	ALL		J 10176	Fast Idle Wrench	HOLLEY Models 2300 4150G
	J 9789-90	Adjustable Float Gauge	ALL		J 10182	Vacuum Piston Socket	HOLLEY Models 852 885JJ







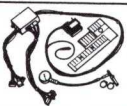
**CARBURETOR, FUEL INJECTION & GENERAL FUEL TOOLS (Continued)**

	J 10183	Fuel Inlet Seat Socket	HOLLEY Models, 885-1901-2140-4000 (Center Inlet Model 4150 & 4160)		J 22514	Bending Tool	EARLY MODEL — Rochester Quadrajets
	J10185-01	Power Valve Socket	HOLLEY Models, 847, 1904 & G, 1908, 1909, 1960, 852 G, 885 & G, 1901 & G, 5200		J 22646	Remote Control Carburetor Adjusting Wrench	ALL CAD. thru 1977
	J 10186	Inlet Valve Plug Socket	HOLLEY Models, 885 & G, 1901 & G, 2140 & G, 2140 SG, 4000 & G		J 22769	Needle Valve Seat Remover & Installer	ALL GM — Quadrajets
	J 10187	Governor Diaphragm Gauge	HOLLEY — All Centri Vac Governors		J 22967-01	Remote Control Carburetor Adjusting Wrench (Includes 1/8" Hex Key, Screw Driver Bit)	ALL GM (For Air Cleaner "on" Adjustment) (except Cadillac)
	J 10195	Staking Tool Set	HOLLEY Models, 2140 & 4000		J 22973	Ther-Mac Thermometer (60° F - 160° F)	ALL GM — 1968-77
	J 10198	Hook Ring	HOLLEY		J 23346	Fuel Tank Sending Unit Remover & Installer (For 1.92 Retaining Ring Dia.)	GM thru 1977
	J 10200-03	Carburetor Tool Kit	HOLLEY		J 23417	Choke Lever Installing Tool	Quadrajets
	J 10205-03	Carburetor Tool Kit	HOLLEY		J 23433	Multiple Carburetor Synchronizer	ALL — Dual-Carb. Systems
	J 10206	Governor Assembly and Adjusting Set	HOLLEY		J 23443	Fuel Inlet Nut Wrench	ALL GM — Rochester Quadrajets
	J 10234-01	Power Valve & Spark Valve Socket	ALL HOLLEY Models except 847, 1920, 1931, 1970, 852G, 885 & G, 2209, 2300 & G		J 23738	Hand Operated Vacuum Device	ALL
	J 10235	Vacuum Piston Puller	HOLLEY Models 847, 852 G, 885 & G, 2209		J 23951	Carburetor Throttle Plate Calibrator	OPEL — All 1.9 Liter Engine
	J 10236-01	Vacuum Piston Installer	HOLLEY Models 847, 852G, 885 & G, 2209		J 24156	Gas Gauge Tester	ALL GM
	J 10237-02	Vacuum Piston Staking Tool	HOLLEY Models 847, 852 G 885 & G, 2209		J 24187	Fuel Tank Sending Unit Remover & Installer (For 3.10 Retaining Ring Dia.)	ALL GM 1967-77
	J 22109	Carburetor Needle and Seat Tester	BUICK — 1966-77 (Quadrajets)		J 24419	Fuel & Temp. Gauge Test Harness	OPEL — 1973-76
	J 22243-01	Gas-Per-Mile Gauge (See Page 75)	ALL CARS		J 24538	Universal Fuel & Temperature Gauge Tester	ALL CARS





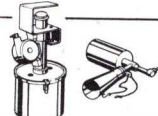


For complete tool listing and price information, refer to the Numerical Price List.









## CARBURETOR, FUEL INJECTION &amp; GENERAL FUEL TOOLS (Continued)

	J 25322	Pump Lever Pin Punch	QUADRAJET		J 25496	Uni-Chuck Blow Gun & Tire Inflator	ALL
	J 25400	E.F.I. Analyzer (See Page 4)	CAD.		J 26510	Carburetor Wrench	1976 OPEL by Isuzu
	J 25400-10	E.F.I. Adapter For Cadillac	CAD.				





## EMISSION EQUIPMENT

	J 23040	Tac-Cal (See Page 3)	ALL Electronic Tachometers		J 25254-2	Thermo Sensor Switch Wrench (1-1/4")	ALL GM—1973-77
	J 24841	EGR Port Cleaning Tool	74-77 BUICK		J 25254-3	TVS Socket (1-1/8")	ALL GM—1973-77
	J 25077	Catalytic Converter Bead Exchanger (see page 66)	ALL with AC Converter		J 26435	7/8" TVS Socket	250 cid. and all Chev. V-8
	J 25254-1	Thermal Sensor Switch Wrench (1-1/16")	ALL GM—1973-77				

## ENGINE OIL FILTER AND SIGNAL SWITCH TOOLS

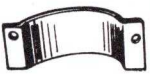




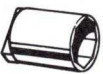

	J 21757-02	Oil Signal Switch Wrench	ALL GM		J 24855	Oil Sending Unit Wrench	OPEL 1.9
	J 22700	Oil Filter Wrench	ALL Disposable Filters except Opel		J 25087	Engine Oil System Pressure Diagnostic Tester & Oil Pump Primer	ALL Engines
	J 22775	Oil Filter Wrench (Disposable Filters)	ALL GM—1968-77 except Opel, Chevette		J 25225	Oil Filter Wrench	ALL Cars 71MM thru 79MM (2-51/64" to 3-7/64")

## ENGINE OIL &amp; GENERAL


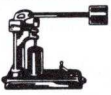
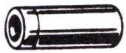
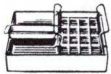


	J 8080	Main Bearing Shell Remover	UNIVERSAL		J 21738	Engine Drain Plug Wrench (12mm Hex Key)	OPEL 1.1
	J 8369	Oil Suction Pipe Installer	CHEV.		J 22144	Oil Inlet Tube Installer	MARK V-8
















## ENGINE OIL AND GENERAL (Continued)

	J 22933	Timing Chain Oil Deflector	OPEL 1.5 & 1.9		J 24311	Exhaust Manifold Tube Remover & Installer	CHEV., OLDS., PONT. 140 O.H.C.-4
	J 23600	Belt Tension Gauge	UNIVERSAL		J 24780	Vega Frost Plug Remover	CHEV., OLDS., PONT. 140 O.H.C.-4
	J 23624	Oil Pump Seal Installer	CHEV., OLDS., PONT. 140 O.H.C. 4		J 25510	Engine Mount Socket	CHEVETTE
	J 23654	Timing Belt Tensioning Adapter	CHEV., OLDS., PONT. 140 O.H.C. 4				

## HYDRAULIC VALVE LIFTER TOOLS &amp; EQUIPMENT

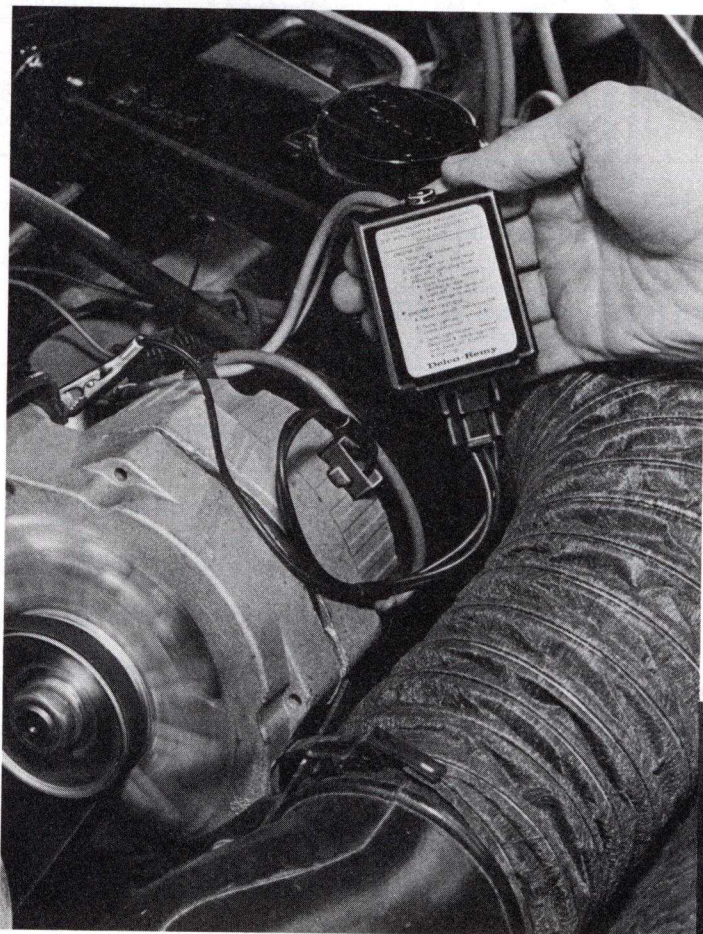
	J 3049	Hydraulic Valve Lifter Remover	ALL		J 5790	Hydraulic Valve Lifter Leakdown Tester (Includes one gallon J 5268 Test Oil)	ALL
	J 4160	Hydraulic Valve Lifter Plunger Remover	ALL		J 5821	Valve Lifter Cleaning Tank	ALL
	J 5268	One Gallon of Hydraulic Valve Lifter Tester Oil (Use with J 5790)	ALL		J 9290-01	Hydraulic Valve Lifter Remover	ALL

## COOLING SECTION

	J 23636	Upper Radiator Hose Clamp Gauge	ALL		J 24731-188	Tempilstick (188°F)	ALL
	J 23675	Water Pump Service Set	CAD. 472 & 500		J 24731-200	Tempilstick (Melts at 200°F)	ALL
	J 23688	Hydro-Spy (see page 32)	ALL		J 24731-206	Tempilstick (Melts at 206°F)	ALL
	J 23699	Radiator Test Adapter (Pressurize through Overflow Tube)	ALL		J 24731-231	Tempilstick (Melts at 231°F)	ALL
	J 24185	Water Pump Service Set	PONT. 350, 400 & 455 V-8		J 25061	3 Lead Temperature Tester (10 Ft. Leads)	ALL
	J 24460	Radiator Cap & Cooling System Tester	ALL		J 26568	Celsius Scale Hydro-Spy (see page 32)	ALL
	J 24672	Radiator Cap Remover & Installer	ALL				



## J 26290 Delcotron Diagnostic Tester

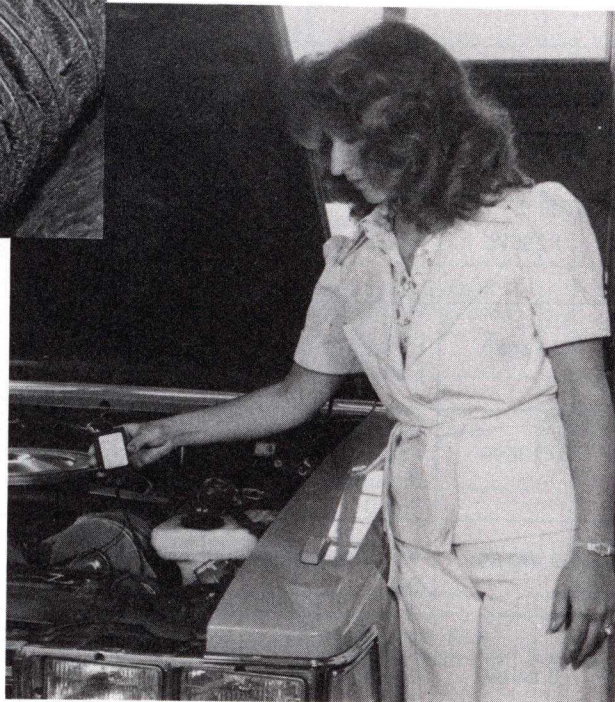


Works on all G.M. Passenger Cars & Light Trucks using a Delcotron with the Internal Regulator

### Delco-Remy's NEW SI Delcotron Diagnostic Tester

#### EASY TO USE!













- Pocket-Sized  
Tester Body - 3.2" x 2.2" x 1.1" Lead Length - Approximately 11" Weight - 3 ounces
- Only Two Plug-In Connections Tester leads are removable for easy replacement.
- Light Indicator is GO-NO/GO Test
- One Minute Test Is Extremely Accurate
- Follow Simple Procedure On Test Case
- Prevent "Comebacks" by Verifying Performance Use tester to check SI Delcotron after problem is corrected.









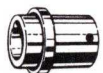
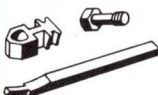







## CRANKSHAFT TOOLS

## HARMONIC BALANCER TOOLS







	J 6978-04	Vibration Damper and Crankshaft Gear Remover	250 L-6, 307 V-8		J 22197-7	Vibration Damper Installer (body)	(L-6 250)
	J 7583-3	Pilot-Harmonic Balance Remover (Part of J 7583-Used with J 8614-01)	260 V-8, 350 V-8, 455 V-8 OLDS.		J 22197-11	Vibration Damper Installer (Fingers) (2 req'd)	(L-6 250)
	J 21052-02	Harmonic Balancer Remover & Installer	CAD. 390, 429, 472 & 500		J 22197-13	Vibration Damper Installer (Hardware Kit)	(L-6 250)
	J 21052-8	Harmonic Balancer Remover Adapter (Use with J 6978-04)	OLDS. 350		J 22549-2	Vibration Damper Driver (Use with J 22197-6, -7, -11, -13)	(L-6 250)
	J 22197	Universal Vibration Damper Holder (Untapped Crankshaft)	UNIVERSAL		J 23523-02	Harmonic Balancer Remover & Installer (Tapped Crankshaft)	CHEV. - 6 cyl., small V-8 MARK V-8, 265 & 409 V-8 PONT. - (L-6 250) & (307 V-8)
	J 22197-6	Vibration Damper Installer (Cap Screws-2 req'd)	(L-6 250)		J 23952	Harmonic Balancer Inst. (Use with J 6978-04)	PONT. 307 V-8

## CRANKSHAFT SEAL INSTALLERS &amp; ALIGNMENT GAUGES










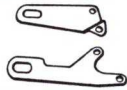
	J 7588	Rear Main Bearing Oil Seal Installer	PONT. 350, 400, 428, & 455 V-8		J 23042	Timing Cover Seal Aligner & Installer	194, 250 L-6, 231 V-6, 262 & 350 V-8 (CHEV.) CHEV. BUICK, PONT. 350, 400, 455 V-8
	J 21150-01	Timing Gear Cover Oil Seal Installer & Support	CAD. - 390 & 429 V-8		J 23625	Rear Main Oil Seal Installer	VEGA 2300, PONT. (O.H.C. 4-140)
	J 21526	Rear Main Oil Seal Packer	BUICK - 350, 455 V-8		J 25264	Timing Cover Oil Seal Installer	OLDS. 260 & 350 V-8, CAD.
	J 22102	Crankcase Front Seal Inst. & Cover Aligner	CHEV. MARK V-8		J 25286	Rear Main Oil Seal Packer	OLDS V-8 260-350 CID
	J 22770	Front Cover Oil Seal Installer	CAD. 472 & 500		J 26434	Timing Cover Seal Aligner	CHEVETTE 1.4 & 1.6 Liter
	J 22924	Timing Cover Seal Installer	OPEL 1.5 & 1.9 Liter		J 26587	Timing Cover Oil Seal Installer	CHEV. L.U.V. & OPEL by Isuzu 1.8 Liter
	J 22928	Rear Main Seal Installer and Protector	OPEL 1.5 & 1.9 Liter				




## CRANKSHAFT GEAR SPROCKET PULLERS &amp; INSTALLERS

	J 5154-01	Crankshaft Sprocket Installer	PONT. 307		J 8105	Crankshaft Gear Puller	CHEV. L-6, CORVAIR 235
	J 5590	Crankshaft Gear Installer	CHEV. L-6, small V-8, 235, 265, 409, 194		J 22888	Crankshaft Sprocket Puller (Diff. Side Bearing Puller)	ALL
	J 5825	Crankshaft Gear Puller	CHEV. L-6, 265, 409, 194		J 25287	Crankshaft Gear Remover	OLDS. 260 & 350 V-8, CAD.


## ENGINE LIFTING TOOLS

	J 22825	Engine Support Fixture	ELDORADO		J 23515-20	Engine Lifter Fixture Adapter (Included in J 23515-03)	PONT. 260
	J 23098	Engine Holding Fixtures (Kadett Models)	OPEL 1.5 & 1.9		J 24680-02	Engine Lifting Fixture	ALL G-Vans
	J 23375	Engine Holding Fixture (Opel GT)	OPEL 1.9		J 25511	Engine Lifting Fixture	CADILLAC E.F.I. equipped 500 V-8
	J 23515-03	Engine Lifting Fixture	PONT. 151, 250, 260, 301, 307, 350, 400, 428, 455		J 26436	Engine Lifting Fixture	CHEVETTE
	J 23515-19	Engine Lifting Tool Adapter (Included in J 23515-03)	PONT. 307		J 26555	Engine Lifting Fixture	OPEL by Isuzu & CHEV. L.U.V. 1.8 Liter

VALVE GUIDE REMOVERS  
(Pilot Diameters Represent Approx. Valve Guide I.D. Size)

		PILOT DIAMETER	APPLICATION		PILOT DIAMETER	APPLICATION
	J 267	21/64	Buick, Olds, Tempest, Pont.	J 269	3/8	Buick

VALVE GUIDE INSTALLERS  
(Pilot Diameters Represent Approx. Valve Guide I.D. Size)

		PILOT DIAMETER	APPLICATION		PILOT DIAMETER	APPLICATION
	J 21281	11/32	Corvair	J 26512	8mm	Opel by Isuzu & Chev. L.U.V. 1.8 Liter
	J 22315	11/32	Cadillac			




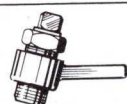










**VALVE GUIDE REAMERS\***

	NOMINAL SIZE	OVER- SIZE	APPLICATION		NOMINAL SIZE	OVER- SIZE	APPLICATION
J 129-2	11/32	STD	All Cars	J 7049-7	3/8	STD	Chevrolet
J 4822	11/32	STD	Chevrolet	J 7049-8	7/16	STD	Chevrolet
J 5830-1	11/32	.003	GM	J 7049-9			Leather Holder For Reamers
J 5830-2	11/32	.015	Chevrolet, Olds., Buick, Pont.	J 8003	3/8	STD	Buick
J 5830-3	11/32	.030	Chevrolet, Olds., Buick, Pont.	J 8814	11/32	STD	Buick, Temp.
J 5830-4	11/32	.010	Buick, Chevrolet	J 9345-1	3/8	.010	Buick
J 5830-5	11/32	.020	Chevrolet Corvair	J 21702	7mm	.003	Opel Kadett
J 5830-6	11/32	.006	Cadillac	J 21703	7mm	.006	Opel Kadett
J 5830-7	11/32	.013	Cadillac	J 21704	7mm	.010	Opel Kadett
J 6621	11/32	.005	Pontiac	J 22612	3/8	.006	Buick
J 7049-1	7/16	.003	Chevrolet	J 22917-1	9mm	.004	Opel Kadett
J 7049-2	7/16	.015	Chevrolet	J 22917-2	9mm	.006	Opel Kadett
J 7049-3	7/16	.030	Chevrolet	J 22917-3	9mm	.0118	Opel Kadett
J 7049-4	3/8	.003	Chevrolet	J 26590-1	8mm	.075	Chevette 1.4 & 1.6 Liter
J 7049-5	3/8	.015	Chevrolet	J 26590-2	8mm	.150	Chevette 1.4 & 1.6 Liter
J 7049-6	3/8	.030	Chevrolet	J 26590-3	8mm	.300	Chevette 1.4 & 1.6 Liter

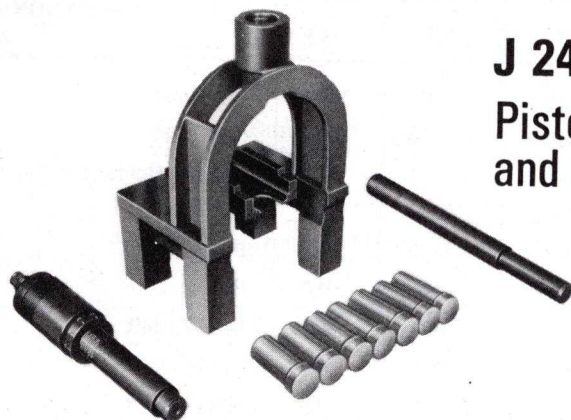
\*J 5830-02—Valve Guide Reamer Set—Consists of J 5830-1-2-3-4-5

\*J 7049 —Valve Guide Reamer Set—Consists of J 7049-1-2-3-4-5-6-7-8-9

**VALVE TOOLS**

	J 5751	Valve Stem Seal Gauge	PONT. 400 & 428		J 8929-02	Valve Spring Compressor	PONT. ALL V-8
	J 5892-1	Valve Spring Compressor	OLDS. — ALL CADILLAC 365, 390 CHEV. — ALL except VEGA		J 22330	Valve Seal Installer & Tester	PONT. 400 & 428
	J 8056	Valve & Clutch Spring Tester	ALL		J 22738-02	Valve & Clutch Spring Tester	ALL Cars
	J 8062	Valve Spring Compressor	ALL		J 22765	Valve Spring Compressor	CADILLAC 472 & 500
	J 8101	Valve Guide Cleaner	ALL		J 22794	Spark Plug Port Adapter (14mm)	UNIVERSAL — 14mm
	J 8928	Valve Train Gauge	PONT. 400 & 428		J 22891	Valve Spring Compressor	BUICK, PONT. L-6, 250





## J 24086

### Piston Pin Remover and Replacer Set

**TOOL FEATURES:** Totally new method. Fork of tool supports connecting rod at wrist pin.

Obsoletes all tools that support piston.

Eliminates the need for having different piston adapters.

No load on piston.

One remover and one installer for all G.M. pistons.

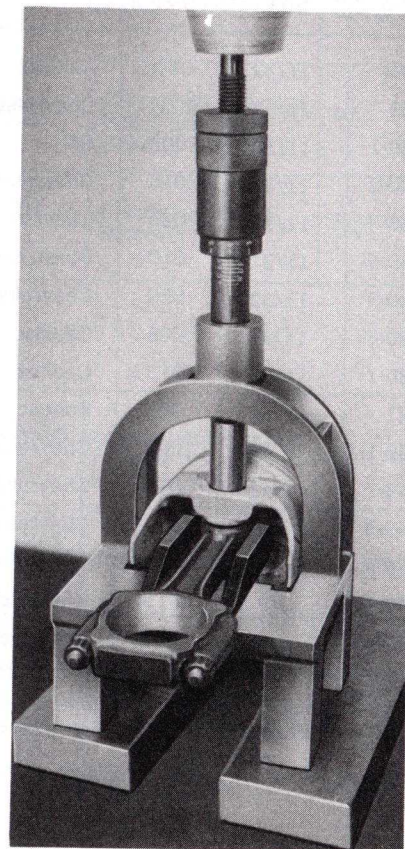
Guide bushings for different pin sizes are the only changeable parts. **SEE APPLICATION CHART.**

Completely "hands-off" design. Tool supports piston and rod assembly and also holds the remover or installer arbor in complete alignment.

Upper guide on tool also acts as a convenient and accurate stop. This obsoletes other tools that used a spring-loaded bottom stop.

No eyeballing required during piston pin removal. Pin drops free, not into a bottom base. Tool does not have to be tipped over to retrieve piston pin.

Tool can be used on any press. No access hole in press bed required.




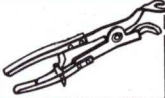
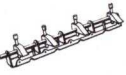

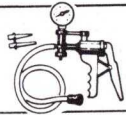





### J 24086 Piston Pin Remover and Replacer Set




Engine Size	Pin Length	Pin Dia.	Rod Width	Guide Bushing	Mounting Distance	Installer Setting	Engine Size	Pin Length	Pin Dia.	Rod Width	Guide Bushing	Mounting Distance	Installer Setting
<b>CHEVROLET</b>							<b>PONTIAC</b>						
LUV 5	2.600	.866	1.061	Blue	1.831	I-7	151-4	3.000	.927	.900	Violet	1.950	H-4
Chevette	2.750	.905	.937	Gold	1.843	I-6	231-V6 (B)	3.055	.938	.950	Black	2.002	G-7
140-4	2.745	.927	1.028	Violet	1.887	I-1	302-V8	3.000	.927	.900	Violet	1.950	H-4
250-6	3.000	.927	1.028	Violet	2.014	G-8	350-V8	3.244	.980	1.250	Green	2.247	E-5
250-6 L.P.G.	3.000	.927	1.028	Violet	2.014	G-8	400-V8	3.244	.980	1.250	Green	2.247	E-5
292-6	3.000	.928	1.028	Violet	2.014	G-8	455-V8	3.254	.980	1.250	Green	2.252	E-6
307-V8	3.000	.927	1.013	Violet	2.007	G-8	<b>BUICK</b>						
350-V8	3.000	.927	1.013	Violet	2.007	G-8	Isuzu Opel	2.600	.866	1.061	Blue	1.831	I-7
350-V8 250 HP	3.000	.927	1.013	Violet	2.007	G-8	231-V6	3.055	.938	.950	Black	2.002	G-7
350-V8 360 HP	3.000	.927	1.013	Violet	2.007	G-8	350-V8	3.055	.938	.950	Black	2.002	G-7
366-V8 Truck	2.937	.990	1.064	Gray	2.001	G-7	455-V8	3.525	1.000	1.155	Red	2.340	D-6
402-V8 Mark	2.937	.990	1.064	Gray	2.001	G-7	<b>OLDSMOBILE</b>						
427-V8 Truck	2.937	.990	1.064	Gray	2.001	G-7	NEW (Boss on Rod)						
454-V8 365 HP	2.937	.990	1.064	Gray	2.001	G-7	260-V8	2.980	.981	.933	Green	1.956	H-4
454-V8 425 HP	2.937	.990	1.064	Gray	2.001	G-7	350-V8	2.980	.981	.933	Green	1.956	H-4
<b>CADILLAC</b>							403-V8	2.980	.981	.933	Green	1.956	H-4
350-V8 (0)	2.980	.981	.933	Green	1.956	H-4	455-V8	2.980	.981	.933	Green	1.956	H-4
425-V8	2.875	1.000	1.137	Red	2.006	G-8	260-V8	2.980	.981	1.000	Green	1.990	G-6
472-V8	3.030	1.000	1.130	Red	2.080	G-2	350-V8	2.980	.981	1.000	Green	1.990	G-6
500-V8	3.030	1.000	1.130	Red	2.080	G-2	OLD (Prior to Jan. 1976)						
							455-V8	2.980	.981	1.000	Green	1.990	G-6



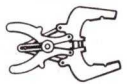
**VALVE TOOLS (Continued)**

	J 23587	Lifter Adjusting Wrench	CHEV., OLDS., PONT. 140 O.H.C. 4		J 24850-01	Valve Timing Checking Tool	OPEL 1.9
	J 23590	Air Line Adapter 14mm (Valve Spring Compressor)	CHEV., OLDS., PONT. 140 O.H.C. 4		J 25477	Valve Spring Compressor	CHEVETTE 1.4 & 1.6 Liter
	J 23591	Camshaft Remover & Installer	CHEV., OLDS., & PONT. 140 O.H.C. 4		J 26251	Valve Seal Installer	CHEV., OLDS., PONT. 140 O.H.C. 4
	J 23994-01	Valve Seal Tester	ALL—except Umbrella Stem Seals		J 26422	Valve Guide Seal Remover	CHEV., OLDS., PONT. 140 O.H.C. 4
	J 23995-01	Valve Spring Compressor (Use with J 23591)	CHEV., OLDS., PONT. 140 O.H.C. 4		J 26513	Valve Spring Compressor	OPEL by Isuzu & CHEV. L.U.V. 1.8 Liter




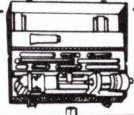


**STANDARD AND OVERSIZE PISTON RING COMPRESSORS**

	Tool No. Size	J 4460 3-9/16"	J 5569 4"	J 5601 3-3/4"	J 5684 4-1/8"	J 6647 3-7/8"	J 8910 3-1/2"
	Tool No. Size	J 9370-01 4-1/4"	J 21006 4-3/16"	J 21158 4-5/16"	J 22562 3-23/32"	J 22666 4.08"	J 22965 3.800
	Tool No. Size	J 22966 4.040	J 23197 4.165"	J 23503 4.151	J 26468 3.227"		
	J 8037	Piston Ring Compressor	ALL		J 8356	Piston Ring Compressor	CORVAIR

**PISTON RING REMOVERS AND INSTALLERS**




	J 25220	Universal Piston Ring Expander 3" to 4"					
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**CYLINDER BLOCK TOOLS**













	J 5347-01	Dial Bore Gauge 3" to 8" Range (Used with J 23059-01)	ALL		J 22908	Block Reconditioning Tap 13/32 - 16 Thread	CAD. 390 & 429
	J 5902-01	Cylinder Hone (2-1/2" to 5-3/4")	ALL		J 23059-01	Dial Bore Gauge Setting Master 3" to 8" Range (Used with J 5347-01)	ALL
	J 8087	Cylinder Bore Checking Gauge (Range 2-1/2" to 9")	ALL		J 24270	Ridge Reamer (Range 3" to 5")	ALL






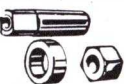




## CYLINDER HEAD TOOLS

	J 8004-01	Cylinder Head Bolt Wrench 3/4" Double Hex—1/2" Drive	CHEV. 235		J 8358	Carbon Removing Brush (Aluminum Heads)	ALL
	J 8089	Carbon Removing Brush	ALL—Cast Iron Heads				

## CAMSHAFT TOOLS

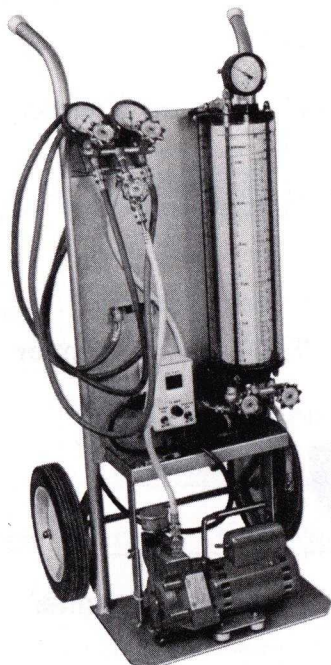
	J 971	Camshaft Gear Remover	CORVAIR, In Line 6, 235, 194		J 21473-1	Camshaft Bushing Remover & Installer Adapter (Use with J 21054-1)	CAD. 390, 429, 472, 500
	J 6098-01	Camshaft Bearing Remover & Installer	CHEV. L-6, Small V-8, MARK. V-8, 265, 409 & 194		J 22227	Camshaft Gear Remover Plate	OLDS. 250, 260, 350, 400, 455
	J 6173-01	Camshaft Bearing Remover & Installer	PONT. 307, 350, 400, 428 & 455		J 23591-02	Camshaft Remover & Installer	OLDS., CHEV., PONT. 140 O.H.C.-4
	J 6471-4	Camshaft Remover (Use with 5/8" x 18 Slide Hammer)	PONT. (O.H.C. 6-250)		J 23638	Camshaft Bearing Remover & Installer	CHEV., OLDS., PONT. 140 O.H.C.-4
	J 8520	Cam Lobe Lift Indicator	ALL		J 25262	Camshaft Bearing Remover & Installer	CAD. 350, 500 V-8
	J 21054	Camshaft Bushing Remover & Installer	CAD. 390, 429, 472 & 500				
	J 21054-1	Handle (Camshaft Bushing Remover & Installer) (Use with J 21473-1)	CAD. 390, 429, 472 & 500				

## ROCKER ARM TOOLS

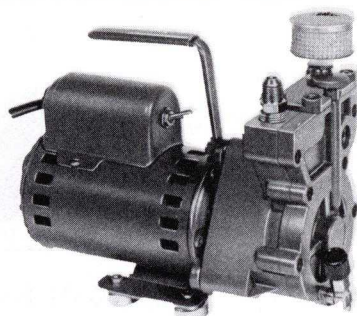
	J 5715	3/8" Rocker Arm Stud Reamer (.003" O.S.)	BUICK L-6, 250 CHEV. 6, Small V-8, 265, 409, 194 OLDS. L-6, 250 PONT. 307		J 8927	Rocker Arm Stud Installer	PONT. 400 & 428
	J 5802-01	Rocker Arm Stud Remover	CHEV. L-6, Small V-8, 265, 409, 194		J 8934	Rocker Arm Stud Remover	PONT. 350, 400, 928, & 455
	J 6036	3/8" Rocker Arm Stud Hole Reamer (.013" O.S.)	CHEV., PONT., OLDS., BUICK L-6, 250, CHEV. L-6 & 307 V-8, CHEV. Small V-8, 265, 409, 194		J 22126	Rocker Arm Stud Reamer .4365"	PONT. 350, 350B, 428, 455
	J 6880	Rocker Arm Stud Installer	CHEV., OLDS., BUICK L-6, PONT. L-6 & 307 V-8, CHEV. Small V-8, 265, 409, 194		J 23342	Rocker Arm Stud Installer	PONT. 350, 400, 428, 455



## J 23500-01 Portable Air Conditioner Service Station



Features; Vacuum Pump—quick, efficient, durable—pulls practically absolute vacuum on any air conditioner, facilitating removal of moisture and contamination. Control Panel



J 26695 Vacuum Pump Included

Assembly—complete with manifold, 500 pound and combination low pressure vacuum gauges. Five U.S. Rubber high-strength hoses, quick connect adapters, control valves and readily visible compact instructions. Charging Cylinder (Heated)—Eliminates weighing refrigerant. Completely shielded with high strength plastic for complete safety. Sturdy Construction—Big wheels and no-slide design make the unit completely portable and practical.

## J 25323 Power Steering Analyzer for Hydraulic System Components

- Reduces troubleshooting time
- Isolates problem component
- Eliminates trial-and-error
- Realistic service estimates

The Power Steering Analyzer—Part Number J 25323—makes troubleshooting the hydraulic system's components a snap. This Analyzer can be installed and the power steering system analyzed in only 10 minutes. The practice of replacing components and rechecking to see if the problem has been corrected—good old trial-and-error servicing—is eliminated. You can give your customer realistic service estimates and live with them.

The Analyzer is easy to use. Only one hose connection—either at the pump output or at the pressure input to the power steering gear housing



—is broken. Two, quick-acting couplings on the Analyzer's hoses connect the unit into the line. Step by step test procedures are contained in the Analyzer's Flow Meter window. Start the car's engine and the tests can be run in the garage or service department.

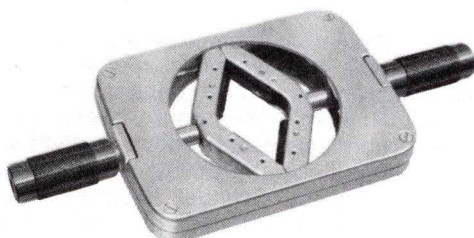
On those rare occasions when a road test seems the only method of simulating the conditions under which the owner encounters the problem, the long hoses make it possible to tape the Analyzer to the windshield. The car can then be road tested with the Analyzer in operation during the test.

After replacing the faulty component, the Analyzer can be used to recheck the hydraulic system before taking the car out for a final road test.



## LIGHT DUTY TRUCK SERVICE TOOLS

### J 23736 Universal Thread Rechaser



1-3/4" to 4" — Extra set of blades included

### J 23758-01 3-Jaw Puller



3" Reach Up to 6" Diameter

### J 23759 Combination 2-Jaw 3-Jaw Puller



5" Reach Up to 9" Diameter

### J 6893-02 2-1/4" 4-Tanged Spanner



1/2" Square Drive  
(Front Driving Axle)

### J 2222-02 2-9/16" 6-Tanged Spanner



1/2" Square Drive  
(Rear Axle)

### J 870-01 2-7/8" 6-Tanged Spanner



1/2" Square Drive  
(Rear Axle)

### J 24385-01 Differential Housing Spreader



Dana 44-60-70

(Not required for any G.M. designed axle)














### J 23447 Ball Stud Sleeve Adjuster










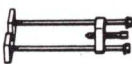






All Dana Front Axles



# Clutch

	J 1048	Clutch Finger Setting Gauge	ALL—Borg and Beck Clutch		J 22934	Clutch Alignment Arbor	OPEL KADETT—thru 73 1.5 & 1.9 Liter
	J 1448	Clutch Pilot Bearing Puller	CHEV.—ALL, OLDS., ALL		J 23644	Clutch Ball Adjusting Gauge	H-CAR—3 & 4 Speed CHEVETTE
	J 1522	Clutch Pilot Bushing Driver	CHEV.—ALL, BUICK—ALL		J 23720	Splined Clutch Aligner	CHEV.—71-75 Muncie
	J 5824-01	Clutch Disc Aligning Tool	CHEV., BUICK, PONT., OLDS		J 23907	Clutch Pilot Bearing Remover	UNIVERSAL
	J 21706	Clutch Pilot Bearing Installer	OPEL KADETT thru 1971 1.1 Liter		J 24547	Clutch Alignment Arbor	OPEL/ISUZU; L.U.V.-5
	J 21714	Clutch Aligning Arbor	OPEL KADETT—thru 1971 1.1 Liter		J 26516	Clutch Pilot Bearing Installer	OPEL/ISUZU; L.U.V.-5
	J 21718	Clutch Pilot Bearing Remover (Use with J 7004-1)	OPEL KADETT—thru 1971 1.1 Liter				













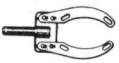
















# Synchromesh

	J 932	Snap Ring Pliers	ALL GM—3 & 4 Speed		J 5590	Transmission Front Bearing Installer	CHEV.—1955-77
	J 933-03	Transmission Clutch Gear Nut Retainer Wrench (1-5/8")	CHEV.—1960-75, PONT.—1960-75, BUICK—1960-75, OLDS.—1960-75		J 5777	Countershaft Gear Alignment Tool	OLDS.—1964; CHEV.—Std. 3 Speed; PONT.—Std. 1958-65, BUICK—1964-65, 3 Speed
	J 1126	Transmission Alignment Stud (Pair)	CHEV.—1960-77, BUICK—1960-77, PONT.—1960-77, OLDS.—1960-77		J 5814-01	Speedometer Gear & Rear Bearing Remover & Installer	CHEV.—1955-77, PONT.—1965-77
	J 1453-01	Speedometer Drive Gear Press Plate (Use with J 358-1)	CHEV.—1965-68		J 6123-01	Speedo Gear Remover	OLDS.—3 & 4 Speed up to 1968
	J 3049	Shift Rail Rotating Pliers	BUICK, PONT., OLDS., CHEV. 3 speed—all forward Speeds synchronized H.D.		J 6403-02	Extension Housing Bushing & Oil Seal Installer	PONT., OLDS., BUICK 3 & 4 Speed—1966-77
	J 4830-02	Extension Housing Bushing & Oil Seal Remover (Use with 5/8 x 11 Slide Hammer)	CHEV., PONT., OLDS., BUICK, 1966-75 3 & 4 Speed		J 6403-6	Extension Housing Bushing Remover Installer	CHEV.—1955-77
	J 5589	Countershaft Gear Alignment Tool	CHEV.—4 Speed thru 1965; PONT.—1958-65		J 6654-01	Transmission Bearing Puller	BORG WARNER 4 Speed 1975-77



***Synchromesh***








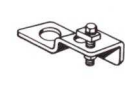

## SYNCHROMESH (Continued)

	J 8609-01	Press Plate Mainshaft Assembly	BUICK — 1963-77 3 Speed		J 21775-01	Countershaft Gear Alignment Tool	BUICK, OLDS., PONT. 1967-71 — All Forward Speeds synchronized Heavy Duty 3 Speed
	J 8872	Synchronizer Remover & Installer Pliers	OPEL — thru 1971 1.1 Liter		J 22246	Countershaft Gear Alignment Tool	Saginaw 3 & 4 Speed thru 1977
	J 9578-01	Speedometer Gear Remover	BUICK — 1964-67 4 Speed		J 22379	Countershaft Gear Alignment Tool	Muncie OLDS. — 1966-77 4 Spd. PONT. — 1966-77 4 Spd.
	J 21359	Extension Housing Seal Installer	ALL GM 1972-77 3 & 4 Speed Large Shaft		J 22414	Counter gear Needle Bearing Loader	OPEL KADETT — thru 1971 1.1 Liter
	J 21426	Extension Housing Seal Installer	ALL GM 1972-77 3 & 4 Speed Small Shaft		J 22911	Needle Bearing Loader	CHEV. — VEGA 71-72 OPEL — 1968-75 1.5 & 1.9 Liter
	J 21465-17	Extension Housing Bushing Remover & Installer	ALL GM 1972-77 4 Speed Large Shaft		J 22913	Mainshaft Assembly Tool	OPEL — 1968-75 1.5 & 1.9 Liter
	J 21533	Transmission Housing Fixture (Use with J 3289-20)	ALL		J 22922	Transmission Extension Housing Seal Installer	OPEL — 1968-75 1.5 & 1.9 Liter
	J 21629	Countershaft Gear Alignment Tool	CHEV. — 3 Speed Heavy Duty WARNER 1966-73 OLDS. — 1964-68		J 22923	Reverse Idler Shaft Remover	CHEV. — VEGA 71-72 OPEL — 1968-75 1.5 & 1.9 Liter
	J 21684	Bearing Press Plate	OPEL KADETT ALL thru 1976		J 22926	Speedometer Driven Gear Pin Remover (Use with J 7004-1 Slide Hammer)	OPEL — 1968-75 1.5 & 1.9 Liter
	J 21708	Clutch Gear Ball Bearing and Speedometer Gear Installer	OPEL KADETT ALL thru 1976		J 22929	Speedometer Driven Gear Remover & Installer (Use with J 7004-1 Hammer)	OPEL — 1968-75 1.5 & 1.9 Liter
	J 21709	Shift Lever Lock Cap Remover & Installer	OPEL KADETT thru 1971 — 1.1 Liter		J 22934	Clutch Plate Aligning Arbor	OPEL — 1968-75 1.5 & 1.9 Liter
	J 21715	Detent Pin Plug Remover (Use with J 7004-1)	OPEL KADETT ALL thru 1971 CHEV. — VEGA 1971-72		J 23096	Front Housing Drive Gear Seal Installer	OLDS., BUICK, CHEV., PONT.
	J 21722	Guide Pin (2 required)	OPEL KADETT — thru 1971 1.1 Liter		J 23562	Counter Gear Alignment Shaft	VEGA — 71-72 3 Speed
	J 21740	Extension Housing Oil Seal Installer	OPEL KADETT — thru 1971 1.1 Liter		J 23596	Transmission Rear Oil Seal Installer	GM SERIES 1971-72
	J 21774-03	Transmission Output Shaft Bearing Remover & Installer	BUICK, OLDS., PONT. 1967-71 — 3 Speed All Forward Speeds synchronized Heavy Duty				

















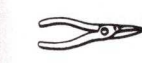

# Synchromesh

## SYNCHROMESH (Continued)

	J 24658	Counter Gear Alignment Shaft	CHEV., PONT. 1974-77 Warner 4 Speed		J 26225	Needle Bearing Remover	BORG-WARNER 5 Speed
	J 22912-01	Transmission Bearing Remover	CHEV. — L.U.V. 4 Speed OPEL/ISUZU 4 Speed		J 26243	Clutch Gear Seal Remover	BORG-WARNER 5 Speed
	J 25295	Detent Ball Cap Remover	70mm 4 Speed		J 26508	Rear Seal Installer	CHEV. — L.U.V.; OPEL/ISUZU 4 Speed
	J 25296	Counter Gear Front Bearing Installer	70MM 4 Speed		J 26540	Clutch Gear Seal Installer	CHEV. — L.U.V.; OPEL/ISUZU 4 Speed
	J 26222	Clutch Gear, C' Gear Main Shaft Support Bearing Installer	BORG-WARNER 5 Speed		J 26544	Countershaft Front Bearing Installer	CHEV. — L.U.V.; OPEL/ISUZU 4 Speed
	J 26223	Front & Support Counter Gear Bearing Installer	BORG-WARNER 5 Speed		J 26545	Transmission Holding Fixture	CHEV. — L.U.V.; OPEL/ISUZU 4 Speed
	J 26224	Clutch Gear Seal Installer	BORG-WARNER 5 Speed				



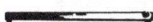





# Automatic

## POWERGLIDE—CHEVROLET (CAST IRON & ALUMINUM) PONTIAC (M-35)







	J 3289-01	Differential Holding Fixture (Must be Used with J 23541 Holding Fixture)		J 5814-01	Speedometer Gear & Rear Bearing Remover and Installer
	J 3387	Pilot Stud Set		J 6839	Front Pump Oil Seal Installer
	J 4263	Front Pump Driver		J 7079-2	Driver Handle (Non-threaded type)
	J 4599	Planet Pinion Pin Assembly Tool (Pair)		J 7674-01	Vacuum Modulator Wrench (.899")
	J 5133	Clutch Spring Compressor		J 7782	Clutch Spring Compressor Adapter Plate
	J 5154-01	Transmission Housing Extension Oil Seal Installer		J 8039	Snap Ring Pliers
	J 5384	Converter Assembly Holding Tool (1953-61)		J 9539	Front Pump Slide Hammer Adapter Bolts (Pair)
	J 5403	Accumulator Retainer Pliers (#21 Internal)		J 9543	Vacuum Modulator Wrench (1")





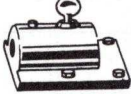



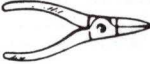





**Automatic****POWERGLIDE—CHEVROLET**  
(Cast Iron & Aluminum) PONTIAC (M-35)—(Continued)

	J 9546	Clutch Drum Bushing Remover & Installer (Chevy II—1962 and up)		J 21867	Transmission Pressure Gauge & Hose
	J 9549	Converter Holding Strap (Chevy II—1962 and up)		J 23327	Clutch Spring Compressor (Use with J 23466 Adapter)
	J 9557	Transmission End Case Bushing Remover & Installer (Chevy II—1962 and up)		J 23466	Clutch Spring Compressor Adapter (Use with J 23327—Pont. 1970 M-35 Trans.)
	J 21848	Powerglide Low Band Adjuster (1962 and up)		J 23541	Transmission Holding Fixture (Use with J 3289-01)

**POWERGLIDE—CORVAIR**


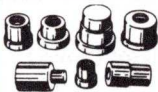





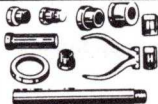













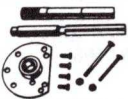



	J 5133	Clutch Spring Compressor		J 7782	Brake Piston Spring Compressor (1962 and up)
	J 6585-01	Transmission Front Pump Assembly Remover (Pair) (1960-62)		J 8360	Transmission Bushing Installer Set
	J 7079-2	Installer Handle (Non-threaded type)		J 8365	Manual Valve Lever Gauge

**SUPER TURBINE 300BUICK—TURBINE TYPE JETAWAY—OLDSMOBILE**  
**HYDRA-MATIC—PONTIAC**

	J 2590-02	Clutch Spring Compressor (Buick)		J 5907	Universal Pressure Gauge (0-300 P.S.I. with 9 ft. Hose)
	J 3289-20	Base & Screw Assembly (Use with J 8763-02)		J 6125	Pump & Support Assembly Remover (Pair) (Olds., Pontiac) (5/16"—18 Thread)
	J 4670-01	Forward Clutch Spring Compressor (Use with J 6129 & J 21664) (Olds.)		J 6129	Forward Clutch Spring Compressor (Olds.)
	J 4880	#22 Tru-Arc Snap Ring Pliers, External (Buick & Olds.)		J 7004	Slide Hammers—Front Pump Assembly Remover (Pair) (Buick) (3/8"—16 Thread)
	J 5154-01	Extension Housing Oil Seal Installer (Olds., Pontiac)		J 8001	Dial Indicator Set (Olds.)
	J 5586	External Vacuum Grip Snap Ring Pliers (Buick & Olds.)		J 8092	Drive Handle (Threaded type)







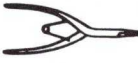
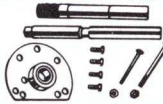












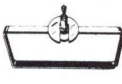





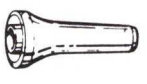
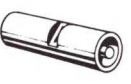



**Automatic****SUPER TURBINE 300—BUICK TURBINE TYPE JETAWAY—OLDSMOBILE  
TURBO-HYDRAMATIC—PONTIAC—(Continued)**

	J 8433	Speedo Gear Remover (Use with J 21427-01) (Pontiac)		J 21424	Transmission Bushing Service Tool Set (Buick, Olds.)
	J 8591	1/32" Allen Wrench Socket (3/8" Drive)		J 21426	Rear Oil Seal Installer
	J 8763-02	Transmission Holding Fixture (Use with J 3289-20)		J 21427-01	Speedo Gear Remover (Pontiac) (Use with J 8433) (Buick)
	J 8853	Press Plate (Buick)		J 21465-01	Bushing Service Set
	J 9534-01	Distributor Shaft Pilot Bearing Remover (Planet Carrier Bushing Remover) (Use with J 7004-1) (Olds.)		J 21470	Speedo Gear Installer (Buick)
	J 9578-01	Speedo Gear Remover (Buick)		J 21547	Modulator Valve Spring Compressor (Buick)
	J 9717-2	Shifter Shaft Seal Installer (Olds.)		J 21558	Check Valve Installer (Buick, Olds.)
	J 21359	Pump Oil Seal Installer (Buick, Olds. Small Shaft)		J 21654	Converter Holding Tool (Olds.)
	J 21361	Check Valve Seat Remover (Use with 3/8" x 16 Thread Slide Hammer)		J 21664	Compressor Adaptor (Use with J 4670-01 & J 6129)
	J 21366	Converter Holding Strap (Buick)		J 22269-01	Low Servo Cover Remover & Installer (Buick, Olds.)
	J 21368	Pump Body & Cover Alignment Band (Olds., Buick)		J 22976	Governor Bore Bushing Installation Tool Set
	J 21369-01	Converter Leak Test Fixture		J 23327	Reverse Clutch Spring Compressor
	J 21371	Converter Stator & Turbine End Play Checking Fixture (Buick, Pontiac, Olds.)			













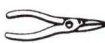



















**Automatic**TURBO HYDRA-MATIC 250, 350 & 375B—CHEVROLET,  
OLDS, PONTIAC (M-38), BUICK

	J 2590-02	Clutch Spring Compressor (Buick)		J 21465-15	Stator Shaft Bushing Remover (Use with J 8092)
	J 2619-01	Slide Hammer (5/8" x 18 with 1/2" x 13 Adapter)		J 21465-17	Converter Hub & Extension Housing Bushings Remover & Installer (Use with J 8092) Large Prop Shaft
	J 3289-20	Transmission Holding Fixture Base (Used with J 8763-02)		J 22269-01	Direct Clutch Accumulator Piston Remover & Installer
	J 5586	External Vacuum Grip Snap Ring Pliers		J 22976	Governor Bore Bushing Installation Tool Set
	J 7004	Slide Hammers (Pair) (for pump body removal) (3/8" x 16 thread)		J 23062	Bushing Service Tool Set (Use with J 8092)
	J 8092	Driver Handle (Threaded type)		J 23069	Accumulator Cover Remover & Installer
	J 8763-02	Transmission Holding Fixture (Use with J 3289-20)		J 23071	Band Apply Pin Gauge
	J 9534-01	Output Shaft Bushing Remover (Use with J 7004-1)		J 23103	Output Shaft Yoke Seal Remover & Installer (Olds., Buick, Chevrolet)
	J 21359	Pump Oil Seal Installer		J 23112	Pump Check Valve Seat Installer
	J 21366	Converter Holding Strap (Buick)		J 23134	Pump Check Valve Seat Remover
	J 21369-01	Converter Leak Test Fixture		J 23327	Clutch Spring Compressor
	J 21424-7	Stator Shaft Bushing Installer (Front) (Use with J 8092)		J 23329	Direct Clutch Bushing Installer (Use with J 8092) (Chevrolet)
	J 21424-9	Extension Housing Bushing Remover & Installer (Use with J 8092)		J 24367	Transmission Band Adjuster (Turbo 250 Only)
	J 21426	Extension Housing Oil Seal Installer (Small Prop Shaft)		J 24466	Transmission Modulator Checking Tool (T-H 350 & 400)
	J 21465-13	Driver Handle Extension (Use with J 8092)			










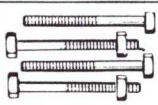









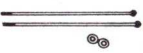












**Automatic**
**TURBO HYDRA-MATIC 375, 400 & 425—CADILLAC, CHEVROLET,  
OLDSMOBILE, PONTIAC (M-40) & BUICK**

	J 2590-02	Clutch Spring Compressor (Buick)		J 8001	Dial Indicator Set
	J 3289-20	Base & Screw Assembly (Use with J 8763-02)		J 8059	Snap Ring Pliers—External Parallel Opening Jaws
	J 4646	Internal Snap Ring Pliers— Tru-Arc #5 (Cadillac)		J 8092	Driver Handle (Threaded)
	J 4670-01	Clutch Spring Compressor (See J 6129) (Cadillac, Chevrolet, Olds., Pontiac)		J 8105	Crankshaft Gear Puller (Used to Pull Speedo Gear) (Chevrolet)
	J 5207	#25 Internal Snap Ring Pliers For Pump Shaft Bearing Retainer Remover & Installer		J 8124-01	Oil Passage Blow Gun—Air— Hose Adapter
	J 5384	Converter Assembly Holding Tool (Use with J 21366) (Chevrolet)		J 8433	Speedo Gear Puller (used with J21427-01)
	J 5403	Snap Ring Pliers for Low Band Drive Valve (#21 Internal)		J 8763-02	Transmission Holding Fixture (Use with J 3289-20 Base)
	J 5586	Snap Ring Pliers—External Vacuum Grip (Buick, Pontiac)		J 9539	Front Pump Slide Hammer Adapter (Pair) (Use with J 6125) (Chevrolet) (3/8"—16 Thread)
	J 5590	Speedometer Gear Installer		J 9578-01	Speedo-Gear Remover (Use with J 21427-01) (Buick)
	J 5907	Universal Pressure Gauge Set (0-300 P.S.I.) 9 ft. Hose		J 9640	Extension Housing Bushing Remover & Installer (Buick)
	J 6116-01	Clutch Unit Holding Fixture		J 21028	Speedo Gear Installer (Pontiac)
	J 6125	Pump & Support Assembly Remover (Pair) (Cadillac, Olds., Pontiac) (5/16"—18 Thread)		J 21359	Extension Housing & Pump Oil Seal Installer (1972-75)
	J 6129	Rear Unit Release Spring Compressor (Cadillac, Olds., Pontiac)		J 21360	Check Valve Seat Installer
	J 6133-01	Rear Oil Pump Bearing & Speedo Gear Installer (Pontiac)		J 21361	Check Valve Seat Remover (Used with J 7004-1)
	J 7004	Front Pump Assembly Remover (Pair) (Buick) (3/8"—16 Thread)		J 21362	Forward & Direct Clutch Inner Seal Protector



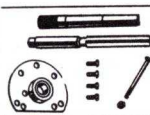










**Automatic**TURBO HYDRA-MATIC 375, 400 & 425—CADILLAC, CHEVROLET,  
OLDSMOBILE, PONTIAC (M-40) & BUICK—(Continued)













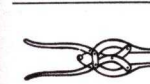

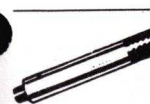

	J 21363	Second Clutch Inner Seal Protector		J 21465-01	Bushing Service Set
	J 21364	Support Adapter (Use with J 6116-01)		J 21465-17	Extension Housing Bushing Installer-1972-77 (Part of J 21465-01 Set)
	J 21366	Converter Holding Strap		J 21477	Oil Cooler Pipe Wrench (Cadillac, Pontiac)
	J 21367	Rear Sprag Installer (Cadillac, Pontiac)		J 21654	Converter Holding Tool (Olds.)
	J 21368	Pump Body & Cover Alignment Band		J 21661	Speedometer Drive Gear Remover Bolts
	J 21369-01	Converter Leak Test Fixture (Buick, Olds.)		J 21664	Compressor Adapter (Used with J 4670-01) (Cadillac, Chevrolet)
	J 21370-4	Band to Apply Pin Gauge (Used with J 21370-6) (Cadillac)		J 21795-02	Gear Unit Holding Tool (Used with J 7004-1) (Buick, Cadillac, Chevrolet, Olds., Pontiac)
	J 21370-5	Band to Apply Pin Gauge (Used with J 21370-6)		J 21795-4	Thumb Screw (Used with J 21795-02) (Cadillac)
	J 21370-6	Band to Apply Pin Assembly (Used with J 21370-4, -5, -7, -8)		J 21797	Speedometer Drive Gear Bolts (Used with J 21427-01) (Cadillac)
	J 21370-7	Band to Apply Pin Gauge (Used with J 21370-6, -8) (Toronado, Eldorado)		J 21904	Speedometer Gear Removing Bolts (Use with J 8433) (Pontiac)
	J 21370-8	Band to Apply Pin Selector Plate (Used with J 21370-6, -7) (Toronado, Eldorado)		J 22182	Extension Housing Bushing Remover & Installer (Chevrolet)
	J 21371	Converter Stator & Turbine End-Play Checking Fixture (Buick, Olds.)		J 22240	Transmission Holding Fixture (Used with J 3289-20 Base or Used with J 22719 & J 23930 Engine Stand) (Toronado, Eldorado)
	J 21409	Forward & Direct Clutch Outer Seal Protector (Buick, Olds.)		J 22241	Forward Clutch End Play Checking Tool (Toronado, Eldorado)
	J 21427-01	Speedo Gear Remover (Used with J 8433)		J 22269-01	Accumulator Piston Remover
	J 21464	Extension Housing Oil Seal Installer (Buick, Cadillac, Chevrolet) (1965-1971)		J 22719	Holding Fixture Adapter (Used to adapt J 22240 to J 23930 Engine Stand) (Toronado, Eldorado)



**Automatic**
**TURBO HYDRA-MATIC 375, 400 & 425—CADILLAC, CHEVROLET,  
OLDSMOBILE, PONTIAC (M-40) & BUICK—(Continued)**



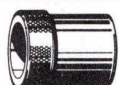




	J 22743	Transmission Holding Bracket (Used with J 8763-02) (Tornado, Eldorado)		J 24146	Cooler Line Wrench—Cad. 72-75
	J 22976	Governor Bore Bushing Installer Tool Set		J 24396	Intermediate Clutch Pack Alignment Tool (T-H 375 & 400)
	J 23093	Center Support Locating Tool		J 24466	Transmission Modulator Checking Tool (T-H 400 & 350)
	J 23327	Reverse Clutch Spring Compressor		J 24675	Front Accumulator Piston Adapter (Use with J 22269-01) T-H 400
	J 23738	Hand Operated Vacuum Pump		J 24684	Pressure Regulator Valve R & R (T-H 400)
	J 24144	Propeller Shaft Yoke Seal Remover & Installer (Olds. 375 Trans.)			

**OPEL 3-SPEED AUTOMATIC TRANSMISSION**







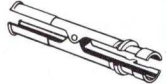

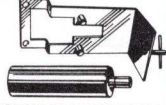


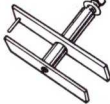

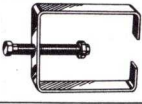

	J 2590-02	Clutch Spring Compressor		J 8400-1	Cape Chisel (Reaction Sun Gear Drum Bushing Remover)
	J 3289-20	Holding Fixture Base (Use with J 8763-02)		J 8763-02	Transmission Holding Fixture (Use with J 3289-20)
	J 3387-2	Aligning Pin ( $\frac{5}{16}$ "—18) (2 required)		J 21359	Converter Housing Seal Installer
	J 5907	Universal Pressure Gauge Set (9 ft. Hose; 0-300 P.S.I.)		J 21369-01	Converter Leak Test Fixture
	J 6459-01	Torque Wrench (0-50 in. lbs.)		J 21424-9	Extension Housing Bushing Remover & Installer (Use with J 8092)
	J 7004-1	Slide Hammer (Use with J 23129) ( $\frac{3}{8}$ "—16 Thread)		J 21426	Extension Housing Seal Installer
	J 8059	External Snap Ring Pliers— Parallel Opening Jaws		J 21465-17	Converter Housing Bushing Remover & Installer
	J 8092	Driver Handle (Threaded type)		J 23075	Servo & Third Clutch Piston Spring Compressor



**Automatic****OPEL 3-SPEED AUTOMATIC TRANSMISSION (Continued)**

	J 23080	Second Clutch Piston Seal Installer		J 23129	Converter Housing Seal Remover (Use with J 7004-1 Slide Hammer)
	J 23082	Converter Housing to Oil Pump Aligning Tool		J 23130	Bushing Service Tool Set (Use with J 8092)
	J 23085	Oil Pump Hub to Second Clutch Gauging Tool		J 23729	Torque Wrench (0-50 ft. lbs.)
	J 23100	Vacuum Modulator Wrench 1-3/8"			

**200 TURBO HYDRAMATIC**




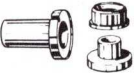

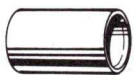

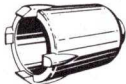
	J 24773	Oil Pump Remover & End-Play Checking Fixture		J 25018	Forward Clutch Spring Compressor
	J 25010	Direct Clutch Seal Protector		J 25019	Transmission Bushing Service Set
	J 25011	Reverse Clutch Seal Protector		J 25020-01	Converter Stator & Turbine End-Play Checking Fixture
	J 25012	Reverse Clutch Housing Installer & Remover		J 25021	Turbine Shaft & Direct Clutch Installer
	J 25013	Output Shaft & Rear Unit Support Fixture		J 25022	End-Play Checking Fixture Adapter
	J 25014	Intermediate Band Apply Pin Gauge		J 25023	Reverse Clutch Selective Shim Gauge
	J 25015	Oil Pump Body & Cover Alignment Band		J 25024	Forward Clutch Spring Compressor
	J 25016	Front Oil Pump Seal Installer			

**MUNCIE CH 465 TRANSMISSION**



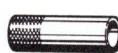



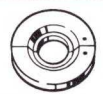


	J 8433	Bearing Puller		J 22830	Snap Ring Installer
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**Automatic**
**MUNCIE CH 465 TRANSMISSION (Continued)**

	J 22832-01	C' Gear Rear Bearing Remover		J 22873	2nd Speed Bushing Installer
	J 22833	Front Bearing Retainer Seal Installer		J 22874	C' Shaft & Mainshaft Bearing Installer
	J 22834	Rear Retainer Seal Installer		J 22875	3rd Speed Bushing Installer
	J 22872	Clutch Gear Bearing Remover & Installer		J 23070	Mainshaft Bearing Locknut Installer

**4-Wheel Drive Transfer Cases**
**(DANA)**

	J 5590	Bearing Installer		J 23419	Intermediate Shaft Remover & Installer
	J 6219	Front Output Shaft Bearing Installer		J 23420	Pilot Bearing Installer
	J 7137	Adapter Seal Installer		J 23422	Rear Output Shaft Front Bearing Cup Installer
	J 8331	Rear Output Shaft Front Bearing Remover		J 23423	Rear Output Shaft Rear Bearing Cup Installer
	J 22833	Output Shaft Housing Seal Installer			

**(NEW PROCESS 203)**





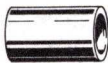

	J 21359	Input Gear Bearing Retainer Seal Installer		J 22836	Front Output Shaft Bearing Retainer Seal Installer
	J 22388	Rear Output Shaft Seal Installer		J 24745	Cluster Gear Loading Tool

**(NEW PROCESS 205)**

	J 7137	Adapter Seal Installer		J 9276-2	Intermediate Gear Bearing Cup Installer
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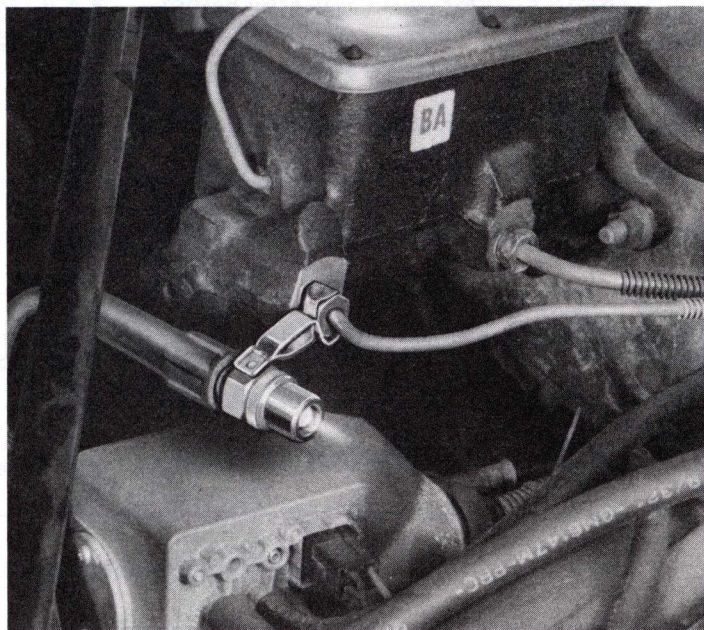
**Automatic****4-WHEEL DRIVE TRANSFER CASES (Continued)  
(NEW PROCESS 205) (Continued)**

	J 21359	Rear Output Shaft Bearing Retainer Seal Installer		J 23429	Intermediate Shaft Remover & Installer
	J 22836	Front Output Shaft Bearing Retainer Seal Installer		J 23431	Rear Output Shaft Housing Bearing Remover & Installer
	J 22875	Rear Output Shaft Rear Bearing Installer		J 23432	Snap Ring Pliers

**J 26792 H.E.I. Tester (Spark Check)**

- Quick and easy to use
- Tells whether the H.E.I. system is generating acceptable voltage
- Provides capability of checking each spark plug wire individually

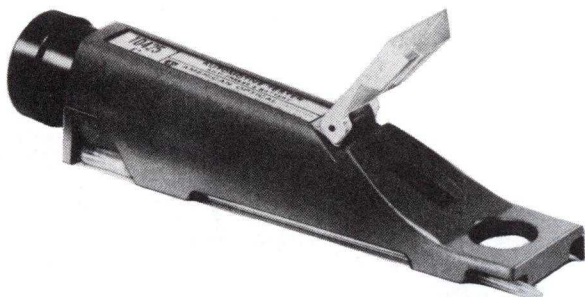
This tester is based on a sparkplug body. It is used by plugging it into a sparkplug wire which has been pulled from a sparkplug and connecting it to ground with the spring clamp. The engine is cranked and the tester observed for spark. Lack of spark indicates a problem in the sparkplug lead or the H.E.I. system. Complete instructions are on the package.





## J 23688 Hydro-Spy

(Battery & Anti-Freeze Tester)



This tester is designed specifically for rapid and accurate checking of anti-freeze protection and battery charge. Only a few drops of coolant or battery acid are required to take an accurate reading. The Hydro-Spy automatically corrects for temperature. There is no waiting until the engine is warmed up because the tester works when the coolant is hot or cold. The scales are easily read and the heavy duty die cast body is covered with a protective vinyl housing thus providing for rugged use. You can even drop it without fear of damage since there are no floats or glass tubes to break. (Order J 26568 for Celsius scale.)

## J 23600

**Belt Tension Gauge**



The increasing importance of correct belt tension has brought about the development of this gauge.

The J 23600 incorporates new features which help the service technician do the correct job in less time. A position stop insures accurate reading and repeatability. A reset button and lazy hand pointer enables the technician to reach awkward locations, make a check and remove the gauge to make his reading.

## J 25300 Headlight Aimer

Certain G.M. automobiles have RECTANGULAR HEADLAMPS. To aim these lamps "Kent-Moore" has introduced a new aimer designed for all sealed beam lamps both RECTANGULAR and ROUND.



The SQUARE PAIR aimers represent a new design, new materials, new concepts with major new advantages for you that include:

1. PUSH BUTTON VACUUM RELEASE—For quick and easy removal of the aimer without disturbing adjustment.
2. OPTICAL CONTRAST BUBBLE—Improves the bubble visibility at low light levels.
3. GRAVITY CAM FOLLOWERS—Completely eliminates back lash and gives more accurate dial readings.
4. PLANETARY GEARS—Gives four to one vernier type dial movement for accurate checking of headlight aim.
5. OFFSET DIAL—Eliminates the need for a screw-driver in floor slope compensation.



## J 26426 Electest (GM Diagnostic Plug)



### The Diagnostic Tester Features are as follows:




















1. Eliminates the possibility of shorting between pins on the connector as in using a voltmeter or other connector probing device.
2. Monitors each connector pin with a voltage indicator light which gives indication of power at the associated circuit point.
3. Provides two rotary switches which allow flexibility in connecting the meter and/or load bulb between:
  - a. Any two connector pins
  - b. Any connector pin and ground
  - c. Any connector pin and the probe
  - d. The probe and ground
4. Provides a test probe which can be switched into the meter or indicator light circuit to check points in a harness with respect to a connector pin or to ground, greatly facilitating the step through technique of fault location.
5. Provides a load bulb by which current limited voltage may be applied to a suspected short circuit, without blowing the associated harness fuse or damaging other components.
6. It has a dual range meter circuit, 0-2 volts and 0-20 volts, so that voltage drops across connectors down to one-half volts, can be easily read.
7. Provides a push button to actuate the starter solenoid from the tester to quickly isolate "no crank" faults.
8. A removable/reversible panel overlay provides pin and indicator lights identification for the particular car and connector being tested.
9. Provides full meter protection from reverse polarity and overvoltage.

With these features, this tester provides the mechanic with a device which he can quickly, safely, and with minimum error, isolate defective components in electrical systems of automobiles equipped with the diagnostic plug.











# Rear Axle Shaft

## SEAL REMOVERS, INSTALLERS, SPACERS & PROTECTORS

























	J 943	Axle Shaft Seal Remover	ALL		J 21871	Axle Shaft Seal Installer	OLDS.—1965-70
	J 8119	"C" Lock Axle Shaft Seal Remover (Used with J 2619-01 Hammer)	ALL		J 22679	Axle Shaft Seal Installer	OLDS. F-85-1968
	J 8610-01	Axle Shaft Seal Installer	ALL		J 22892	Axle Shaft Seal Installer	BUICK—1968 45 Series
	J 21010	Axle Shaft Seal Remover	CAD.—1963-69		J 22922	Axle Shaft Seal Installer	CHEVETTE
	J 21011	Axle Shaft Seal Installer	CAD.—1963-69		J 23389	Axle Shaft Seal Protector	CAD.—1970-75
	J 21128	"C" Lock Axle Shaft Seal Installer	BUICK, OLDS., PONT., CHEV.—1968-77 Large Shaft		J 23693	Axle Shaft Seal Installer	OLDS.—1965-70
	J 21129	Axle Shaft Seal Installer	BUICK—1964-67: 40-41, 43-44-45; 1964-65: 46-48 OLDS.—1964 TEMP.—1966-70 FIREBIRD—1967-69		J 23771	"C" Lock Axle Shaft Seal Installer	OLDS., BUICK, PONT., CHEV.—1971-77 Small Shaft
	J 21796	Axle Shaft Seal Installer	PONT.—1965-70		J 24254	Rear Axle Inner Oil Seal Installer	L.U.V.-5
	J 21837	Drive Spindle Inner Seal Installer	CORVAIR—1965-68		J 24255	Rear Axle Oil Grease Seal Installer	L.U.V.-5
	J 21842	Drive Spindle Outer Seal Installer	CORVAIR—1965-68				

## BEARING REMOVERS AND INSTALLERS

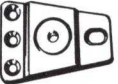
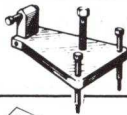




	J 943	Axle Bearing Cup Remover	CAD.—1970-75		J 8609-01	Axle Shaft Bearing Installer	BUICK, CHEV., OLDS., PONT.—Large Shaft 1970-77
	J 6257	Axle Shaft Bearing Retainer Ring Installer (Used with J 6407 Holder)	BUICK—1963 CAD.—1957-75		J 8621	Axle Shaft Bearing Remover Adapter (Used with J 6525-01)	BUICK—1961-64: 40-41, 1961-68: 43; 1965-69: 44-45; 1968: 46-48-49
	J 6525-01	Axle Shaft Bearing Remover	UNIV.		J 8853-01	Axle Shaft Bearing & Retainer Ring Installer (Used with J 6407 Holder)	OPEL—1968-75 1.5 & 1.9 Liter, BUICK, CHEV., OLDS., PONT. Small Shaft 1970-77
	J 6661	Axle Shaft Bearing and Retainer Ring Installer	CHEV.—1957-64		J 8877	Axle Shaft Bearing Remover	OLDS.—1961-67 F-85—1961-67



# **Rear Axle Shaft** BEARING REMOVERS AND INSTALLERS (Continued)

	J 8916	Axle Shaft Bearing Remover	CHEV. — 1957-64 CHEVY II — 1962-64 CORVAIR — 1960-64 TEMP. — 1961-63		J 23507	Axle Shaft Bearing Remover	BUICK — 1970 Estate Wagon
	J 9436-01	Axle Bearing & Retainer Ring Installer (Use with J 358-1)	CHEVY II — 1962-63		J 23674	Axle Shaft Bearing Remover	OLDS., CHEV., & PONT. 1969-77 Large Shaft
	J 21022-02	Axle Shaft Bearing Installer (Used with J 358-1)	PONT. — 1963-70 8-1/8" Ring Gear		J 23689	"C" Lock Axle Shaft Bearing & Seal Remover (Use with J 2619-01)	OLDS. — 1971-77 BUICK — 1971-77 PONT. — 1971-77 CHEV. — 1971-77 Large Shaft
	J 21684	Axle Shaft Bearing Installer	OPEL KADETT — thru 75		J 23690	"C" Lock Axle Shaft Bearing Installer	OLDS. — 1971-77 BUICK — 1971-77 PONT. — 1971-77 CHEV. — 1971-77 Large Shaft
	J 21721	Axle Shaft Bearing Remover (Used with J 8805-01)	OPEL KADETT — thru 75		J 23765	"C" Lock Axle Shaft Bearing Installer	OLDS. — 1971-77 BUICK — 1971-77 PONT. — 1971-77 CHEV. — 1971-77 Small Shaft
	J 22813-01	"C" Lock Axle Shaft Bearing & Seal Remover (Used with J 2619-01)	PONT., BUICK, CHEV., OLDS. — 1968-75 Small Shaft		J 24259	Axle Shaft Bearing Cup Installer	CHEV. L.U.V.-5
	J 22935	Axle Shaft Bearing Remover (Used with J 2619-01)	OPEL — 1968-75 Big Axle		J 24488	Rear Wheel Bearing Greaser	CORVETTE — 1963-77
	J 22936	Axle Shaft Bearing Installer (Used with J 8092)	OPEL — 1968-75 Big Axle		J 24489	Axle Bearing Remover (Use with J 8433 Holder)	CORVETTE — 1963-77
	J 23133	Axle Shaft Bearing Remover	BUICK — 1969-77		J 24490	Rear Wheel Spindle Installer	CORVETTE — 1963-77
	J 23399	Axle Shaft Bearing Plate & Remover	CAD. — 1970-75		J 24626	Corvette Shim Selector	CORVETTE — 1963-77
	J 23441	Axle Shaft Bearing Remover	OLDS. — 1970-77 Small Shaft CHEV. — 1970-77 Small Shaft		J 25593	Axle Shaft Bearing & Seal Remover	CHEVETTE
	J 23469	Axle Shaft Bearing Remover	PONT. — 1970-75 Small Shaft		J 25594	Axle Shaft Bearing Installer	CHEVETTE

## REMOVERS & GAUGES

	J 8805-01	Axle Shaft Remover (Used with J 2619-01 Hammer)	OPEL — ALL thru 1975		J 22602-01	Drive Spindle Remover	CORVETTE — 1963-77
	J 21579	Axle Shaft Remover (Used with J 2619-01 Hammer)	ALL non-C Lock GM axles		J 24246	Axle Shaft Stud Wrench	L.U.V.-5
	J 21831	Drive Spindle Remover (2 req'd)	CORVAIR — 1965-68		J 24626	Rear Axle Shim Selector	CORVETTE — 1963-77



**Pinion**
**COMPANION SHAFT AND GENERAL**

	J 8614-01	Companion Flange Holder & Remover	ALL cars		J 22938-01	Pinion Barrel Spline Installer	OPEL — 1968-75 1.5 & 1.9 Liter
	J 9458	Companion Flange Installer	CHEVY II — 1962-73 8-1/2" Ring Gear		J 23311	Pinion Guide Pin (3 req'd)	CAD. — 1970-76
	J 21044-01	Companion Flange Holder Remover Adapters (Set of 2) (Used with J 8614-01)	CAD. — 1963-75		J 23320	Pinion Assembly Holding Fixture	CAD. — 1970-76
	J 21619	Companion Flange Remover Adapter (2 req'd)	BUICK — 1964-65: 46-48 1964: 44-47 1965: 45-49 1968-70: 46-48-49		J 23324	Pinion Assembly Puller	CAD. — 1970-76
	J 21697-01	Companion Flange Nut Wrench	OPEL KADETT — thru 1971 1.1 Liter		J 23410	Torque Multiplier	UNIVERSAL
	J 21699-01	Pinion Bearing Preload Adjusting Nut Wrench	OPEL KADETT — thru 1971 1.1 Liter		J 23413	Torque Multiplier Link (Used with J 23410)	CAD. — 1970-76
	J 22399	Drive Pinion Wrench	CHEVETTE; OPEL KADETT thru 1971, 1.1 Liter		J 23906	Companion Flange Runout Gauge (Single Cardan)	ALL GM Saginaw propshaft
	J 22535	Pinion Holding Tool	CHEV. — 1965-77 BUICK — 1965-77 PONT. — 1963-77 OLDS. — 1965-77 CAD. — 1965-77		J 24798	Companion Flange Runout Gauge (Double Cardan) Use with J 7872	ALL GM
	J 22536	Pinion Driver	CHEV., BUICK, PONT., OLDS., CAD. — 1965-77		J 25516	Companion Flange Runout Gauge	ALL GM except C.V. Prop
	J 22932	Pinion Holding Wrench	OPEL — 1968-75 1.5 & 1.9 Liter		J 25599	Barrel Spline Sleeve Remover	CHEVETTE
	J 22937-01	Pinion Barrel Spline Remover	OPEL — 1968-75 1.5 & 1.9 Liter				


























**BEARING AND CUP REMOVERS AND INSTALLERS**

	J 270-14	Rear Pinion Bearing Installer (Used with J 8092 Handle)	CHEV. — 1964-73 8-1/8" Ring Gear		J 5590	Rear Pinion Bearing Installer	DANA — 30 CHEV. — 1964-73 8-1/8" Ring Gear 1971-77 6-1/2", 7-1/2" Ring Gear
	J 996	Rear Pinion Bearing Remover (Used with J 358-1 Holder)	CHEV. — 1946-50		J 6197	Pinion Bearing Cup Installer	CAD. — 1970-76 BUICK — 1971-62 (Front) 44-46-47-48 1970: ALL OLDS. — 1957-64 (Front) series PONT. — 1957-75 8-1/8"
	J 3940	Bearing Cup Remover	UNIVERSAL				









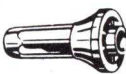




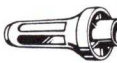



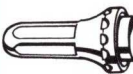
# Pinion

## BEARING AND CUP REMOVERS AND INSTALLERS (Continued)







	J 6547	Rear Pinion Bearing Installer (Use with J 6407 Holder)	CHEV. — 1965-77 BUICK — 1970-77 OLDS. — 1957-77 PONT. — 1959-77 8-7/8" & 9-3/8" Ring Gear		J 21693	Rear Pinion Bearing Cup Installer (Use with J 8092 Handle)	OPEL KADETT thru 1971 1.1 Liter
	J 7028	Rear Pinion Bearing Remover (Used with J 358-1 Holder)	CHEV. — 1957-70 CORVAIR — 1960-65		J 21694	Pinion Bearing Cup Remover & Installer (Used with J 358-1)	OPEL KADETT thru 1971 1.1 Liter
	J 7817	Front Pinion Bearing Installer (Used with J 8092 Handle)	BUICK — 1964-66, 40-41, 1964-70, 43-44-45 OLDS. — 1964-65 PONT. — 1964-73 8-1/8" Ring Gear, 1975-6 1/2" & 7-1/2" CHEV. — 1971-77 6-1/2" & 7-1/2"		J 22734	Rear Pinion Bearing Remover (Use with J 6407 Holder)	CHEV. — 1965-70 Heavy Duty
	J 7818	Rear Pinion Bearing Installer (Used with J 8092 Handle)	OPEL — 1968-75 1.5 & 1.9 Liter CHEV. PONT., OLDS. 7-1/2" 1963-77		J 22912-01	Rear Pinion Bearing Remover	CHEV., PONT. 6-1/2" Ring Gear OPEL — thru 1976
	J 8608	Rear Pinion Cup Installer (Used with J 8092 Handle)	BUICK, CHEV., PONT., OLDS. — 1964-77 8-1/2" Ring Gear		J 23301	Rear Pinion Bearing Remover	CHEV. — 1968-70 Light Duty
	J 8609-01	Rear Pinion Bearing Cone Installer (Used with J 6407)	OLDS. — 1964-77 BUICK — 1964-77 CHEV. — 1964-77 PONT. — 1964-77 8-1/2" Ring Gear		J 23314	Rear Pinion Bearing Installer	CAD. — 1970-76
	J 8611-01	Front Pinion Cup Installer (Used with J 8092 Handle)	8-1/2" Ring Gear BUICK, CHEV., PONT., OLDS. — 1964-77 OPEL — 1968-75 1.5 & 1.9 Liter CAD. — 1970-77		J 23321	Inner & Outer Bearing Cup Remover (Use with J 8092 Handle)	CAD. — 1970 Inner only, 1971-76 — ALL
	J 8612	Rear Pinion Bearing Remover	CAD. — 1975-77 BUICK — 1968-77 OLDS. — 1968-77 PONT. — 1968-77 CHEV. — 1968-77 8-1/2" Ring Gear		J 23671	Outer Pinion Bearing Cup Remover (Use with J 8092 Handle)	CAD. — 1970-76
	J 9745	Rear Pinion Bearing Cup Installer (Used with J 8092 Handle)	BUICK, OLDS., PONT., CHEV. — 1963-77 8-7/8" & 9-3/8" Ring Gear		J 24252	Pinion Bearing Inner Cup Installer	CHEV. L.U.V.
	J 9746-02	Rear Pinion Bearing Remover	BUICK, OLDS., PONT., CHEV. — 1963-77 8-7/8" & 9-3/8" Ring Gear		J 24256	Pinion Bearing Outer Cup Installer	CHEV. L.U.V.
	J 21022-02	Rear Pinion Bearing Installer	BUICK, OLDS., PONT., CHEV. 6-1/2", 7-1/2" & 8-1/2" Ring Gear		J 25320	Rear Pinion Bearing Remover	GM — H Series 7-1/2" Ring Gear
	J 21493-01	Rear Pinion Bearing Remover	BUICK, CHEV., PONT., OLDS. — 8-1/8" Ring Gear, OLDS. 7-1/2" Ring Gear		J 25589	Front Pinion Bearing Cup Installer	CHEVETTE
	J 21692	Front Pinion Bearing Cup Installer (Used with J 8092 Handle)	OPEL KADETT 1971 1.1 Liter				



**Pinion**
**SEAL REMOVERS AND INSTALLERS**

	J 8340-01	Pinion Adjusting Sleeve Seal Installer	CORVAIR — with Automatic Trans. Temp. — 1961-63 21 Series		J 22804-1	Pinion Oil Seal Spacer	GM — 8-1/2" Ring Gear Axles
	J 21005-01	Pinion Oil Seal Installer	BUICK — 1963-70: 46-48 1962-64: 44-47 1965-70: 45-49		J 22804-2	Pinion Oil Seal Spacer	GM — 6-1/2", 7-1/2" & 8-1/8" Ring Gear
	J 21113	Pinion Oil Seal Installer	CAD. — 1963-69		J 22836	Pinion Oil Seal Installer	CHEV. — 1968-60 OLDS. — "C" Axles thru 70 PONT. — "C" Axles thru 70
	J 21128	Pinion Oil Seal Installer	PONT., BUICK — 1965-75		J 22931	Pinion Oil Seal Installer	OPEL — 1968-75 1.5 & 1.9 Liter
	J 21285-01	Pinion Oil Seal Installer	OLDS. — 1964-70 PONT. — 1963-73 8-1/2"		J 23318	Pinion Oil Seal Installer	CAD. — 1970-75
	J 21468	Pinion Oil Seal Installer (Use with J 9458)	CHEV. — 1964-73 Light duty, 8-1/8" Ring Gear		J 23911	Pinion Oil Seal Installer	GM 6-1/2", 7-1/2" & 8-1/2" Ring Gear
	J 21698	Pinion Oil Seal Installer	OPEL KADETT thru 1971 1.1 Liter		J 24250	Pinion Oil Seal Installer	CHEV. L.U.V. 5
	J 22388	Pinion Oil Seal Installer	BUICK, CHEV., OLDS., PONT. — 1971-77		J 25597	Pinion Oil Seal Installer	CHEVETTE

**SETTING GAUGES  
Opel Pinion Setting Gauge Chart\***

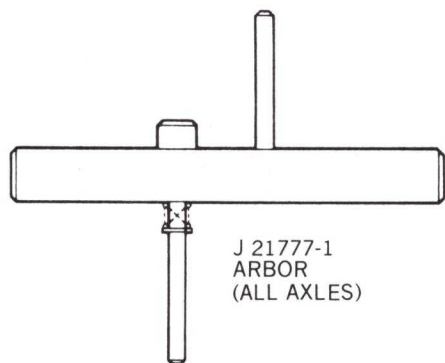
		ALL 1.1 Liter Thru-1971	1968-75			ALL 1.1 Liter Thru-1971	1968-75
	J 21691-1 Body	X	X		J 21691-5 Pilot Washer		X
	J 21691-2 Gauge Ass'y.	X	X		J 21691-6 Body		X
	J 21691-4 Gauge Plate		X		J 21691-7 Hardware Kit		X

\*For complete tool to service all Opel Axles (through 1975) order Part Number J 21691-01.

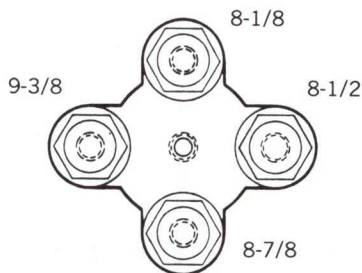


**Pinion** SETTING GAUGE SET—GM—Buick, Chevrolet, Oldsmobile, Pontiac and Cadillac

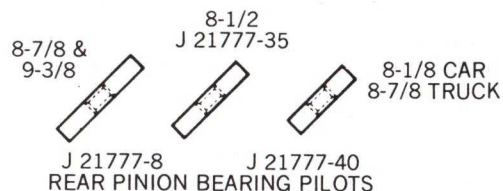
J 21777-01



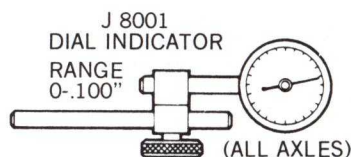
J 21777-1  
ARBOR  
(ALL AXLES)



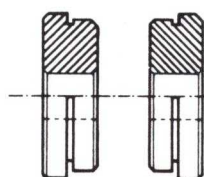
J 21777-29  
GAUGE PLATE



J 21777-8 J 21777-40  
REAR PINION BEARING PILOTS



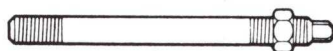
J 8001  
DIAL INDICATOR  
RANGE  
0-.100"  
(ALL AXLES)



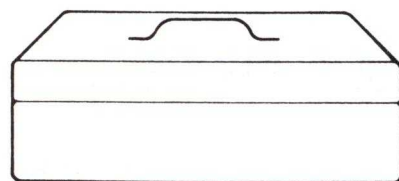
J 21777-45  
(2 required)  
DUAL DIAMETER  
DISCS  
(ALL AXLES)



J 21777-42  
FRONT PINION BEARING PILOT  
(ALL AXLES)



J 21777-43  
STUD & NUT PINION BEARING PRELOAD  
(ALL AXLES)



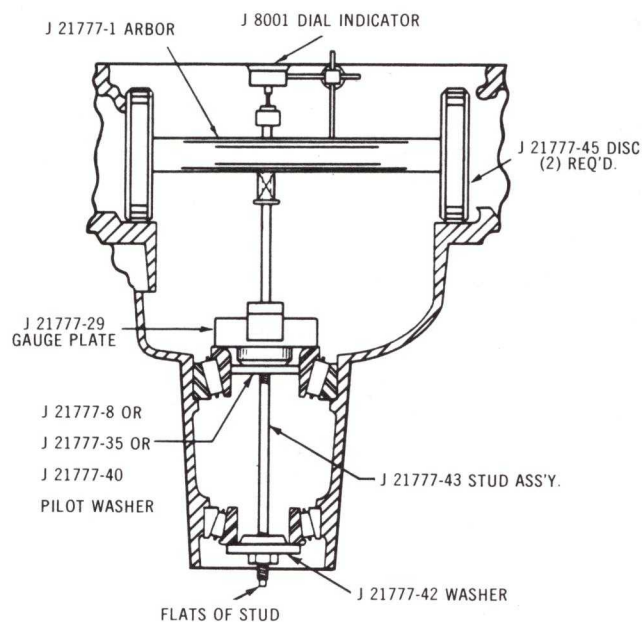
J 21777-51  
STORAGE CASE

J 21777-01 INCLUDES THE ABOVE ITEMS (Services All 1971-77 8-1/8", 8-1/2", 8-7/8", & 9-3/8" GM Ring Gear (Outside Dia.) Axles  
J 21777-500 INCLUDES ALL THE ABOVE EXCEPT J 8001 DIAL INDICATOR

The basic J 21777-01 Set can also be used on other specialty vehicles by purchasing the adapters shown below:

**J 21777-01 Pinion Setting Gauge**

All G.M. 8-1/8"-8-1/2", 8-7/8" & 9-3/8" Ring Gear Axles 1965-77

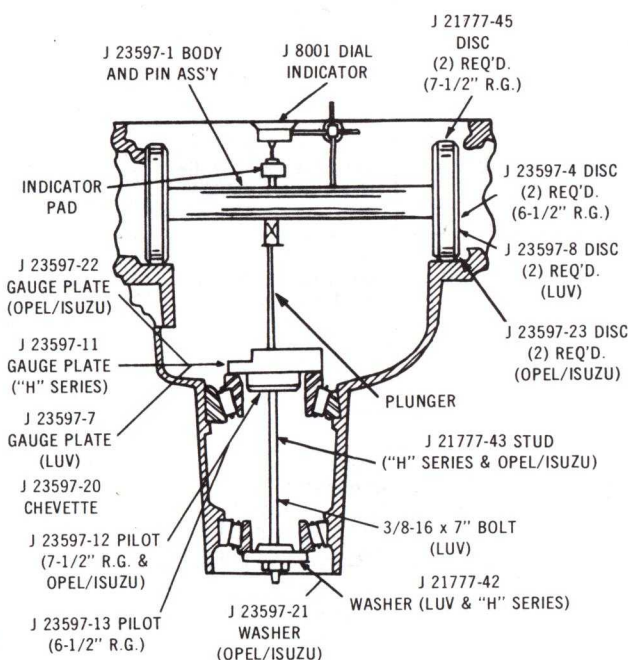


Vehicle	Model Year	Adapter
Chevrolet & GMC 1/2 Ton Truck	1965-77	
Blazer & Jimmie All Series	1970-77	J 21777-36 Gauge Plate
Corvette	1963-77	
Buick	1965-70	
Toronado	1968-77	J 21777-50 Consisting of: J 21777-10 Gauge Plate J 21777-13 Preload Screw J 21777-22 Disc. (2) Req'd. J 21579 Preload Plate
Toronado	1966-68	J 21777-10 Gauge Plate J 21777-13 Preload Screw J 21579 Preload Plate J 21777-11 Disc. J 21777-12 Disc.
Buick, Oldsmobile, Pontiac, Chevrolet using "C" type 12 bolt axle	1965-70	J 21777-23 Gauge Plate



# Pinion

## J 23597-01 PINION SETTING GAUGE GM "H" SERIES, CHEV. LUV OPEL/ISUZU & CHEVETTE



Tool Number	Description	H Series 6-1/2" Axle	H Series 7-1/2" Axle	Chevette	Chev. Luv	Opel/Isuzu
J 8001	0-100" Dial Indicator	X	X	X	X	X
J 21777-42	Front Pilot Pinion Bearing Preload	X	X		X	
J 21777-43	Stud & Nut Pinion Bearing Preload	X	X	X		X
J 21777-45	Disc (2 Required)		X			
J 23597-1*	Body & Plunger Assembly	X	X	X	X	X
J 23597-4	Disc (2 Required)	X				
J 23597-10	Gauge Plate & (2) Disc				X	
J 23597-11*	Gauge Plate 6-1/2" & 7-1/2"	X	X			
J 23597-12*	Rear Pilot Washer 7-1/2"		X			X
J 23597-13*	Rear Pilot Washer 6-1/2"	X				
J 23597-14*	Storage Case	X	X	X	X	X
J 23597-15*	Gauge Plate & (2) Disc					X
J 23597-20	Gauge Plate			X		
J 23597-21	Front Pinion Bearing Pilot			X		X

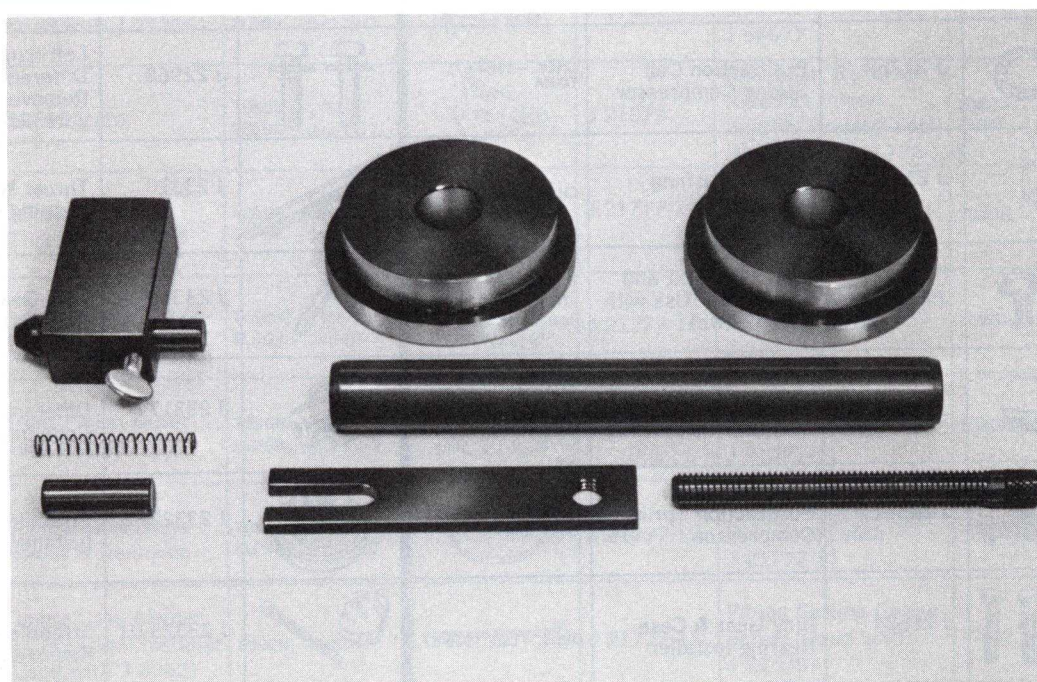
NOTE: All items marked with an \* are included in kit J 23597-02

## SETTING GAUGES—CHEVROLET & GMC TRUCK FRONT DRIVING DANA 44 AND 60 AXLE

### J 24771 Dana Pinion Setting Gauge

(Complete Instructions Included)































Application:  
Dana 44-60  
All GMC & Chevrolet  
Front Driving Axles














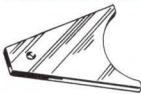


# Differential Case

## BEARING INSTALLERS & REMOVERS



















	J 972	Adjusting Nut Wrench	CORVAIR — 1960-64 OLDS. — 1957-60 PONT. — thru 1965 F-85 — 1961-65		J 22588-03	Side Bearing Remover	BUICK and OPEL ALL
	J 2100-02	Side Bearing Installer	DANA 30		J 22761	Side Bearing Installer (Used with J 8092)	CHEV., PONT., OLDS., BUICK — 1967-77 8-1/8", 8-1/2" Ring Gear
	J 2241-11	Side Bearing Puller Adapter	OPEL — 1968-75 Large Axle		J 22771	Side Bearing Installer (Used with J 8092)	BUICK — 1966 — Late 1967-68: 46-48-49 1968-70: 43-44-45 Left Side Only
	J 3289-01	Differential Carrier Holding Fixture (Use with J 8622)	UNIVERSAL — ALL Axles		J 22779	Side Bearing Preload and Backlash Gauge	CHEV. — 1968-77 CAD. — 1976-77
	J 3289-20	Base Assembly (Part of J 3289-01)	UNIVERSAL Base Assembly For Use with J 21533, J 3289-01, J 6117, J 6638, J 7009-01, J 7896-01, J 8763-02		J 22888	Side Bearing Remover	ALL
	J 8615	Side Bearing Installer Adapter (Used with J 22588-02)	F-85 — 1961-63 BUICK — 1961-63: 40-41-43 OLDS. — Upper Series 1965		J 22888-9	Side Bearing Remover Adapter Plugs Consists of J 8107-2, J 8107-3, J 8107-4 and J 8107-5	ALL BUICK, CHEV., PONT., OLDS., CAD.
	J 21322-02	Ring Gear & Case Remover (Used with 5/8" x 11 Slide Hammer) (See J 22584)	BUICK, OLDS., CAD., PONT. — thru 1977 8-1/2" Ring Gear		J 22888-02	Side Bearing Remover (Consists of J 22888 and J 22888-9)	ALL CHEV., PONT., OLDS., BUICK, CAD.
	J 21683	Side Bearing Puller Adapter (Used with J 22588-02)	OPEL KADETT thru 1971 Small Axle		J 22919	Side Bearing Installer	OPEL — 1968-75 1.5 & 1.9 Liter
	J 21695	Side Bearing Installer (Used with J 8092)	OPEL KADETT thru 1971 Small Axle		J 22939	Side Bearing Puller Leg (Used with J 21322-01)	OPEL — ALL thru 1975
	J 21752	Positraction Coil Spring Compressor	CHEV. — 1964-67; DANA		J 22962	Left-hand Bolts for Differential Case Remover (Used with J 21322-01)	BUICK — 1968 43-44-45 CAD. — 1975 8-1/2" Ring Gear
	J 21991	Carrier Bushing Remover	CHEV. — 1965-70		J 23310	Thrust Washer Aligning Pin	CAD. — 1970-76
	J 22042	Left Hand Bolt and Sleeve Set (Use with J 21322-01)	OLDS. — 1965-77 PONT. — 8-1/2" Ring Gear		J 23316	Ring Gear Guide Pin (3 req'd)	CAD. — 1970-76
	J 22175	Side Bearing Installer	PONT. — 1964-75 BUICK — 1964-75 CORVAIR — 1964-75 OLDS. — 1964-75 CHEV. — 1964-75 8-7/8", 9-3/8" Ring Gear		J 23317	Differential Bearing Cone Installer	CAD. — 1970-76
	J 22311	Positraction Spring Compressor	CORVETTE — 1966-77 Eaton Unit		J 23322	Straddle Bearing Installer	CAD. — 1970-76
	J 22584	Ring Gear & Case Bearing Installer	OLDS. — Late 1966-67		J 23323-01	Straddle Bearing Remover	CAD. — 1970-76



**Differential Case BEARING INSTALLERS & REMOVERS (Continued)**


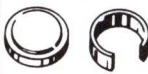






























	J 23372-01	Case Holding Fixture	CAD. — 1970-76		J 24093	Side Bearing and End Play Gauge	OPEL — 1972-75
	J 23398	Adjusting Nut Spanner	CAD. — 1970-76		J 24244	Differential Side Bearing Installer	L.U.V.
	J 23406	Cone Remover Adapter	CAD. — 1970-76		J 25284	Side Bearing Remover Adapter (Used with J 22888)	CAD., SEVILLE, 8-1/2"
	J 23409	Dial Indicator Extension Set	CAD. — 1970-76		J 25299	Differential Side Bearing Installer (Used with J 8092)	GM — H-Series 7-1/2" Ring Gear — 1977
	J 23598	Side Bearing Remover Plug (Used with J 22888)	CHEV., PONT. 6-1/2" Ring Gear		J 25588	Side Bearing Shim Installer	CAD., SEVILLE 8-1/2"
	J 23610	Side Bearing Installer (Used with J 8092)	CHEV., PONT. 6-1/2" Ring Gear		J 26252	Positraction Bushing Remover	1/2 Ton Truck; Eaton Governor Type

**Final Drive Differential Tools TORONADO & ELDORADO**

	J 943	Oil Seal Remover	TORON. — 1966-77 ELDOR. — thru 1977		J 9745	Rear Pinion Race Installer (Used with J 8092)	TORON. — 1966-77
	J 2619-01	Slide Hammer 5/8" x 18 Thread with 1/2" x 13 Adapter	TORON. — 1966-77 ELDOR. — thru 1977		J 9746-02	Bearing Remover	TORON. — 1966-77
	J 3289-01	Holding Fixtures (Used with J 22296)	TORON. — 1966-77 ELDOR. — thru 1977		J 21022-02	Front Pinion Bearing Installer (Used with J 6407)	TORON. — 1966-77
	J 8001	Dial Indicator	TORON. — 1966-77 ELDOR. — thru 1977		J 21579	Axle Shaft Remover (Used as Pinion Bearing Preload Tool) (Used with J 21777-13)	TORON. — 1966-77 ELDOR. — 1967-77
	J 8092	Driver Handle (Threaded type)	TORON. — 1966-77 ELDOR. — thru 1977		J 21777-1	Pinion Setting Gauge Body & Pin Assembly	TORON. — 1968-77
	J 8433	Puller (See J 22227, J 22229, J 23345)	TORON. — 1966-77 ELDOR. — thru 1977		J 21777-10	Pinion Setting Gauge Plate (Used with J 21777-1)	TORON. — 1966-77
	J 8458	Front Pinion Outer Race Installer	TORON. — 1966-77 ELDOR. — thru 1977		J 21777-11	Pinion Setting Gauge Disc (Used with J 21777-1)	TORON. — 1966-67
	J 8614-01	Companion Flange Holder & Remover	TORON. — 1966-77 ELDOR. — thru 1977		J 21777-12	Pinion Setting Gauge Disc (Used with J 21777-1)	TORON. — 1966-67
	J 8753	Timing Case Aligner & Cover Seal Installer (Used with J 8092)	TORON. — 1966-77		J 21777-13	Pinion Setting Gauge Screw (Used with J 21579)	TORON. — 1966-77


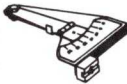





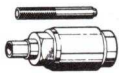






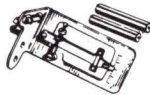

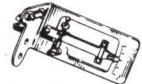



***Final Drive Differential Tools*** TORONADO & ELDORADO (Continued)

	J 21777-22	Pinion Setting Gauge Disc	TORON.—1966-77		J 22247	C.V. Joint End Plate & Dust Boot Retainer Installer	TORON.—1966-67
	J 22193	C.V. Joint Protector Support Blocks	TORON.—1966-67		J 22296	Differential Adapter Plate (with screws) (Used with J 3289-01)	TORON.—1966-77
	J 22196-01	Axle Housing Spreader	TORON.—1968-77		J 22314	Front Pinion Outer Race Installing Guide (Used with J 8092 & J 8458 Installer)	TORON.—1966-77
	J 22198	Axle Housing Seal Installer (Right) (Used with J 8092)	TORON.—1966-77 ELDOR.—1967-77		J 22587	Pinion Bearing Preload Gauge Set	TORON.—1966-77
	J 22199	Axle Housing Seal Installer (Left) (Used with J 8092-01 Handle)	TORON.—1966-77 ELDOR.—1967-77		J 22595	Ring Gear Installing Studs	TORON.—1966-77
	J 22201	Front Pinion Outer Race Remover (Used with J 2619-01 Slide Hammer)	TORON.—1966-77		J 22608	Side Bearing Shim Remover	TORON.—1966-77
	J 22208	Pinion Assembly Remover & Torque Wrench Adapter	TORON.—1966-77		J 22609	Output Shaft Bearing & Sling Installer	TORON.—1966-67 ELDOR.—1966-67
	J 22209	Rear Pinion Bearing Installer (Used with J 6407)	TORON.—1966-77		J 22716	Clamp Tightening Wrench (Band-it Type Clamp)	TORON.—1966-77 ELDOR.—1966-77
	J 22210	Planet Gear Loading Tool	TORON.—1966-67		J 22756	Differential Side Bearing Remover with Pilot (Used with J 8433)	TORON.—1966-77
	J 22212	Pinion Seal Installer	TORON.—1966-77 ELDOR.—1967-77		J 22760	Right Hand Output Shaft Seal Installer (Used with J 8092)	TORON.—1968-77 ELDOR.—1968-77
	J 22227	Front Pinion Bearing Remover (Used with J 8433)	TORON.—1966-67		J 22811	Differential Side Bearing Installer (Left Side) (Used with J 8092)	TORON.—1968-77
	J 22229	Differential Side Bearing Remover (Left)	TORON.—1966-77		J 22812	Differential Side Bearing Installer (Right Side) (Used with J 8092)	TORON.—1968-77
	J 22230	Differential Side Bearing Installer (Left) (Used with J 8092)	TORON.—1966-77		J 22822	Carrier Holder	TORON.—1968-77
	J 22231	Differential Side Bearing Installer (Right) (Used with J 8092)	TORON.—1966-77		J 22828	Output Shaft Bearing & Slinger Installer	ELDOR.—1968-77 TORON.—1968-77
	J 22236	Pinion Oil Seal Protector	TORON.—1966-77 ELDOR.—1967-77		J 23692	Spindle Remover Adapter (Use with J 2619-01)	ELDOR.—1971-77 TORON.—1971-77
	J 22237	Hub Remover Spacer Set	TORON.—1969		J 23997	Front Spindle Hub Bearing Assembly Remover	ELDOR.—1967-77 TORON.—1966-77





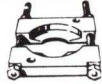





## Propeller Shaft

	J 9522-3	Spider Press Adapter for C.V. Joint (Part of J 9522)	ALL GM — 1963-77		J 23498	Universal Joint Inclinator	UNIVERSAL
	J 9522-5	C.V. Joint Spacer (Part of J 9522)	ALL GM — 1963-77		J 23694	C.V. Propeller Shaft Seal Installer	ALL GM — 71-77
	J 21009	Propeller Shaft Center Bearing Lock Nut Wrench	BUICK — 1961-70: 43-44-45-48-49 1961-64: 40-41-47 1965: 45-49 CAD. — 1958-68 PONT. — 1958-63		J 23906	Comp. Flange Run-Out Gauge (Single Cardan)	ALL GM — 71-77
	J 21548	"U" Joint Trunnion Seal Installer	CHEV. — 1964-65		J 23996	C.V. Joint Replacable Ball Remover and Installer	BUICK — 1973-77 PONT. — 1973-77 OLDS. — 1973-77 CAD. — 1973-77
	J 21556	"U" Joint Trunnion Seal Installer	CHEV. — 1964-65		J 24649	Drive Pinion & Yoke & Run-Out Gauge	CHEV. & DANA Propshaft
	J 21696	Torque Tube Bearing & Deflector Installer	OPEL — thru 1971 Small Axle		J 24798	Comp. Flange Run-Out Gauge (Dble. Cardan C.V.)	ALL GM — 1971-77
	J 22271	Propeller Shaft Center Ball Seal Installer	BUICK — 1967-70: 45-46-48-49		J 25512	C.V. Propeller Shaft Lub Gun	ALL "K" Vehicles and CHEV., BUICK, PONT., OLDS. — 74-77
	J 22910-01	Power Train Inclinator	PONT.		J 25512-2	Needle Point Greaser (Part of J 25512)	UNIV. any 1/8 N.P.T. Grease Gun
	J 22910-1	Power Train Inclinator	UNIVERSAL		J 25516	Companion Flange Run-Out Gauge (Use with J 7872 Dial Indicator)	ALL CHEV. up to 30 Series Truck

## Truck Axle











### G.M. 10-1/2" RING GEAR DIFFERENTIAL TOOLS

	J 3940	Bearing Cup Remover			J 24429	Adjusting Nut Wrench	
	J 8608	Front Pinion Bearing Cup Installer			J 24430	Differential Side Bearing Installer	
	J 22912	Rear Pinion Bearing Remover			J 24432	Rear Pinion Bearing Cup Installer	
	J 23322	Straddle Bearing Installer			J 24434	Pinion Oil Seal Installer	
	J 23759	Differential Side Bearing Remover					








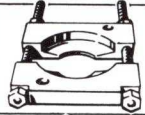

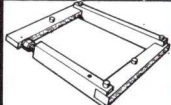
## Truck Axle

### DANA (70) 10-1/2" RING GEAR

	J 3940	Bearing Cup Remover		J 24381	Rear Pinion Bearing Cup Installer
	J 7818	Front Pinion Bearing Cup Installer		J 24383	Differential Side Bearing Installer
	J 8614-01	Companion Flange Remover & Installer		J 24384	Pinion Oil Seal Installer
	J 22912-01	Rear Pinion Bearing Remover		J 24385-01	Axle Housing Spreader
	J 23759	Differential Side Bearing Remover		J 24433	Rear Pinion Bearing Installer

## Truck Axle





### DANA (60) 9-3/4" RING GEAR

	J 5590	Rear Pinion Bearing Installer		J 22281	Pinion Oil Seal Installer
	J 7817	Front Pinion Bearing Cup Installer		J 22888	Differential Side Bearing Remover
	J 8614-01	Companion Flange Remover & Installer		J 22912	Rear Pinion Bearing Remover
	J 21051	Differential Side Bearing Installer		J 24385	Differential Housing Spreader

## Truck Axle

### G.M. 10-1/2" RING GEAR & DANA (60) 9-3/4" RING GEAR & DANA (70) 10-1/2" RING GEAR


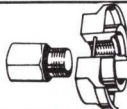


#### (AXLE SHAFT TOOLS) 1973-77

	J 2222-02	Wheel Bearing Nut Wrench		J 24427	Inner Wheel Bearing Cup Installer
	J 24426	Outer Wheel Bearing Cup Installer		J 24428	Axle Shaft Seal Installer











**Truck Axle**

## 1966-72 12-1/4" RING GEAR AXLE


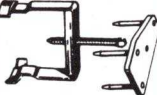







	J 870-01	Wheel Bearing Nut Wrench			J 22360	Outer Wheel Bearing Remover	
	J 22350	Inner Wheel Bearing Remover			J 24428	Axle Shaft Seal Installer	

**Steering**

## STEERING WHEEL












	J 544	Steering Gear Tension Scale (0-4#)	CAD. — ALL		J 24292	L.U.V. Steering Wheel Puller	CHEV. L.U.V.
	J 1859-03	Steering Wheel Puller	ALL CHEV., CAD., PONT., BUICK, OLDS.		J 24628	ACRS Analyzer	ALL Vehicles with Air Bags
	J 2927-10	Steering Wheel Bolts	CHEV. L.U.V., OPEL/ISUZU		J 24628-4	Steering Column ACRS Resistance Tester	ALL Vehicles with Air Bags
	J 21686-01	Steering Wheel Puller	OPEL KADETT — thru 1975				
	J 24224	Signal Switch Bearing Installer	OPEL 1900 — 1972-75				

**Conventional Steering Column**







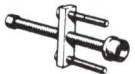


	J 21180	Turn Signal Cover Remover & Shift Tube Remover (Tilt)	BUICK — 1963-63: 47 1963-65: 44-46-48 1965: 45; 1966: 49 CAD. — 1963-64 OLDS. — 1963-66 PONT. — 1963-66		J 22598-01	Upper Cover Remover (Use with J 6125)	CAD. — 1965-66 OLDS. — 1965-66
	J 21181-01	Spring Installer (Tilt)	BUICK — 1963-64: 47 1963-65: 44-46-48 1965: 45; 1966: 49 CAD. — 1963-64 OLDS. — 1963-66 PONT. — 1963-66		J 22708	Directional Signal Cover Remover (Tilt & Tilt & Tel.)	CHEV. — 1963-66
	J 21352	Wheel Cover Installer (Tilt)	CAD. — 1963-64		J 23074	Steering Column Holding Fixture	CAD. — 1964-66 BUICK — 1964-66 OLDS. — 1965-66 PONT. — 1964-66
	J 21853-01	Upper Cover Installer (Tilt & Tilt & Tel.) (See E.A.C.)	BUICK — 1964-66 CAD. — 1965-66 CHEV. — 1964-66 OLDS. — 1964-66 PONT. — 1964-66		J 23653-02	Spring Compressor (Tilt & Tel.)	CAD. — 1965-69 OLDS. — 1966-69 CHEV. — 1966
	J 21854-01	Pivot Pin Remover (Tilt & Tel.)	CHEV. — 1966 BUICK — 1964-66 CAD. — 1965-66 OLDS. — 1964-66 PONT. — 1964-66 FORD — 1965-67				







***Energy Absorbing Steering Column***

	J 21853-01	Upper Cover Installer (Tilt & Tilt & Tel.)	BUICK—1967-68 CAD.—1967-68 CHEV.—1967-68 OLDS.—1967-68 PONT.—1967-68		J 22573	Steering Column Holding Fixture (All)	BUICK, CAD., CHEV., OLDS., PONT.— 1967-68
	J 21854-01	Pivot Pin Remover (Tilt & Tilt & Tel.)	BUICK, CAD., CHEV., OLDS., PONT.— 1967-68		J 22598-01	Upper Cover Remover (Use with J 6125) (Tilt & Tilt & Tel.)	CAD., OLDS., PONT., BUICK, 1967-68
	J 22549	Shift Tube Installer (Tilt & Tilt & Tel.)	BUICK, CAD., CHEV., OLDS., PONT.— 1967-68		J 22599	Lock Nut Socket (Tilt)	BUICK, CHEV., OLDS., PONT.—1967-68
	J 22551	Shift Tube Remover (Tilt & Tilt & Tel.)	BUICK, CAD., CHEV., OLDS., PONT.— 1967-68		J 22635	Lock Shoe & Release Lever Pin Remover & Replacer (Tilt & Tilt & Tel.)	BUICK, CAD., CHEV., OLDS., PONT.— 1967-68
	J 22569	Snap Ring Remover & Installer (Std.)	BUICK, CAD., CHEV., PONT., OLDS.— 1967-68		J 22708	Upper Cover Remover (Tilt)	CHEV.—1967-68
	J 22572	Shaft Bowl Bearing Installer (Std.)	BUICK, CAD., CHEV., OLDS., PONT.— 1967-68				

***Function Locking Energy Absorbing Steering Column***














	J 21854-01	Pivot Pin Remover (Tilt & Tilt & Tel.)	ALL GM—1969-77		J 23074	Steering Column Holding Fixture (All)	ALL GM—1969-77
	J 22653-02	Lock Shoe and Release Lever Pin Remover and Replacer (Tilt & Tilt & Tel.)	ALL GM—1969-77		J 23193	Lock Nut Socket (Tilt Column)	ALL GM—1969-77
	J 23063	Lock Plate Compressor (Tilt & Tel.)	ALL GM		J 23653	Lock Plate Compressor (Regular & Tilt)	ALL GM—1969-77
	J 23072	Shift Tube Remover (Tilt & Tilt & Tel.)	ALL GM—1969-77		J 23980	Steering Column Electrical Component Analyzer	GM 1970-77
	J 23073-01	Shift Tube Installer (Tilt & Tilt & Tel.)	ALL GM—1969-77				

***Power Steering***















	J 972	Spanner Wrench	CHEV.—1959-68		J 7715	Pressure Gauge (2000 lbs.) (Part of J 5176-01)	ALL GM thru 1975
	J 5176-02	Power Steering Checking Gauge 0-2000 lbs. (See J 22326)	GM thru 1977		J 7728	Pump Shaft Oil Seal Installer	BUICK—1961-75 CAD.—1959-75 3/4 Shaft



**Power Steering** (Continued)






	J 8433	Cast Pulley Remover	CHEV. — 1967-77		J 22670	Power Steering Pump Shaft Seal Installer	ALL GM — 1964-77 3/4 Shaft
	J 8642	Pump Shaft Seal Protector	ALL V-8		J 24752	Power Steering Pump Pulley Installer	ALL GM thru 1974
	J 21001	Power Steering Pump Oil Seal Installer	CAD. — 1963-66		J 25033	Power Steering Pump Pulley	ALL Saginaw Steering Pumps 1975-77
	J 21239	Stamped Pump Pulley Remover	CHEV. — 1967-75		J 25034	Power Steering Pump Pulley Remover (pressed on)	ALL Saginaw Steering Pumps 1975-77
	J 21883	Steering Pump Pulley Puller	CAD. — thru 1974		J 25323	Power Steering Analyzer	ALL Saginaw
	J 22326	Power Steering Checking Gauge Adapter (Part of J 5176-02)	CHEV., PONT., OLDS., CAD., BUICK — 1965-77		J 26433	11/16" Hex Crow Foot Tube Wrench (Use with J 25323)	ALL Saginaw
	J 22616	Power Steering Pump Shaft Seal Protector	ALL GM — 1967-77				

**Manual & Power Steering Gear**






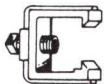

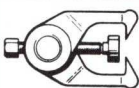

	J 5188-01	Adjuster Plug Seal Installer	ALL — with Saginaw Power Steering Gear		J 6221	Adjuster Plug Bearing Remover & Installer	ALL — with Saginaw Power Steering Gear
	J 5754	Steering Gear Mainshaft Bearing Cup Remover	BUICK — 1960 PONT. — 1955-67		J 6222	Adjuster Plug Seal Protector	ALL — with Saginaw Power Steering Gear
	J 5755	Saginaw Manual Gear Wormshaft Bearing Cup Installer	BUICK — 1960-77 PONT. — thru 1977 CHEV. — 1955-77		J 6278	Pitman Shaft Bearing Remover & Installer	ALL — with Saginaw Power Steering Gear
	J 5787	Pitman Shaft Packing Retainer Protector	BUICK — 1955-60 CHEV. — 1955-61 Standard Steering PONT. — thru 1963		J 6657	Pitman Shaft Needle Bearing Remover & Installer	BUICK — 1961-77 CAD. — 1963-77
	J 5822	Steering Gear Shaft Main Bearing Cup Remover (Use with J 2619-01)	Saginaw Manual Gear BUICK, CHEV. — 1955-77		J 7576	Rack Piston Installer	ALL — with Saginaw Power Steering Gear
	J 6217	Valve Connector Seat Installer	ALL Saginaw Power Steering Gears		J 7624	Bearing Pre-Load Spanner Wrench	ALL — with Saginaw Power Steering Gear
	J 6219	Steering Gear Pitman Shaft Oil Seal Installer	ALL GM — 1968-77		J 8524	Adjuster Plug (Used with J 7079-2 Handle)	CHEV. — 1960-77 PONT. — 1967-77



**Manual & Power Steering Gear** (Continued)






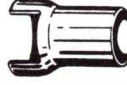











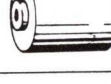


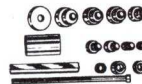









	J 8810	Pitman Shaft Installer Bushing (Use with J 8092)	CHEV., BUICK, OLDS. 1961-77 PONT.— Saginaw Manual Gear		J 21712	Steering Gear Pinion Mounting Sleeve	OPEL KADETT thru 1975
	J 8947	Rack Piston Installer	ALL — with Saginaw Power Steering Gear		J 22407	Pitman Shaft Bearing Installer (Variable ratio) Use with J 8092	ALL GM — 1969-75
	J 9540	Pitman Shaft Seal Installer	BUICK — thru 1961-77 CAD. — 1963-77		J 26269	Pinion Bearing Installer	CHEVETTE
	J 21552	Rack Piston Arbor	ALL — with Saginaw Power Steering				

**Steering Linkage**

	J 3295	Steering Arm Ball Stud Remover	BUICK — 1963: 44-47-48		J 9280	Steering Linkage Grease Gun	CAD. — 1961-77
	J 5504-01	Pitman Arm Puller	ALL GM thru 1977		J 9280-5	Suspension Joint Grease Gun Tip (Use with J 9280)	CAD. — 1961-77
	J 6627	Tie Rod	CHEV., PONT., OLDS., BUICK thru 1977		J 21687-02	Relay Rod and Ball Stud Remover	OPEL KADETT thru 1975 CHEV. — L.U.V.; OPEL/ISUZU
	J 6632	Pitman Arm Puller	CHEV. — 1955-77 CAD. ELDORADO — 1968-77		J 24319-01	Universal Steering Linkage Puller	BUICK, CAD., OLDS., thru 1977
	J 9172	Pitman Arm Puller	CAD. — 1965-77 PONT. — 1958-73				



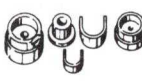


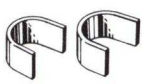


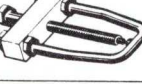



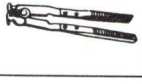



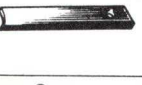
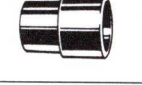


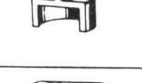











# *Control Arms (Front & Rear) and Ball Joints*

	J 5680-01	Crow Front Adapter (1-3/8", 1/2" Sq. Drive)	CAD. — 1968-69		*J 21474-3	Screw Assembly	CAD. — 1967-77 OLDS. — 1964-77 PONT. — 1964-77
	J 7052-01	Upper & Lower Control Arm Bushing Remover & Installer (Includes J 5888-3)	CORVETTE 1963-77		*J 21474-4	Nut	OLDS. — 1964-77 PONT. — 1964-77
	J 7167-01	Upper Control Arm Spreader	PONT. — 1958-75		*J 21474-5	Receiver	CAD. — 1964-77 CHEV. — 1964-77 OLDS. — 1964-77 PONT. — 1964-77
	J 8999-05	Front Suspension Service Set	CAD. — 1961-76		*J 21474-6	Remover & Installer Carrier Bushing	CHEV. — 1967-77 OLDS., PONT., — 1964-77
	J 9231-01	Caster Camber Adjusting Wrench (1-3/8", 1/2" Sq. Drive)	CAD. — 1961-67		*J 21474-8	Lower Control Arm Front & Rear Bushing Remover	CHEV., PONT. — OLDS. — 1964-77
	J 9502-01	Front Upper Control Bushing Remover & Installer Set (Includes J 9502-3)	GRAND PRIX — 1969-73 VENTURA — 1971-73 TEMP — 1962-73		*J 21474-12	Space-Lower Control	CHEV. — 1966-77 OLDS., PONT., — 1964-77
	J 9502-3	"C" Washer Upper Control Arm Bushing (Part of J 9502-01)	OLDS. — 1965-77 CHEV. — 1964-77 PONT. thru 1977		*J 21474-13	Installer Lower Control Arm Cushing Rear Front	CHEV., PONT. — OLDS. — 1964-77
	J 9514	Lower Control Arm Spacer	CHEV. — 1962-75		*J 21474-15	Adapter Rear Control Arm Bushing Receiver	PONT. — CHEV. — 1964-77
	J 9519-02	Ball Joint Remover & Installer	ALL GM 1963-77		*J 21474-16	Rear Control Arm Bushing Receiver	OLDS., PONT., CHEV. — 1965-77
	J 9584	Control Arm Bushing Remover & Installer Set (Use with J 21894)	PONT. — 1965-73		J 21482	Front Upper Control Arm Spacer	CHEV. — 1964-77 PONT. — 1967-77
	J 21058	Lower Control Arm Bushing Tool Set	CHEV. — 1964-75		J 21690	Lower Control Arm Ball Joint Remover & Installer Sleeve (Use with J 9519-02)	OPEL KADETT thru 1975
	J 21240-01	Lower Ball Joint End Play Checking Gauge (Upper Ball Joint for American Motors)	BUICK — 1961-77 CAD., PONT. — 1971-77		J 21830	Rear Suspension Control Arm Bushing Set	CHEV. — 1965-77
	J 21474-01	Control Arm Bushing Service Set	CHEV., OLDS., PONT. 1964-77		J 21859	Drive Spindle Flange Remover	CORVAIR — 1965-69
	*J 21474-1	Rear Upper & Lower Control Arm Spacer	CHEV. — 1964-77 PONT. — 1964-77		J 21894	Lower Control Arm Oblong Bushing Bushing Installer (See J 9584)	OLDS. — 1970-73 PONT. — 1964-73 CHEV. — 1971-73
	*J 21474-2	Rear Upper & Lower Control Arm Bushing Remover & Installer	PONT., CHEV., TEMP. 1964-70 FIREBIRD — 1967-69		J 22175	Lower Control Arm Bushing Receiver	CHEV. — 1965-73

\*Part of J 21474-01 Set.


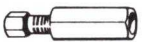



***Control Arms (Front & Rear) and Ball Joints*** (Continued)








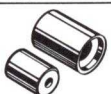

	J 22222	Control Arm Bushing Remover & Installer Set (Use with J 21474-3-5)	ELDORADO—1967-77 TORONADO—1966-77		J 23514	Front Upper Control Arm Bushing Remover & Installer (Use with J 22269-01)	CHEV.—1970-75
	J 22269-01	Front Upper Control Arm Bushing Remover & Installer	BUICK, CHEV., PONT., OLDS.—1970-77		J 23555	Rear Control Arm Spacer Set	ASTRE—1975 VEGA—1971-75 6-1/2" 74-75 axle
	J 22323	Lower Control Arm Bushing Set	BUICK, CHEV., PONT., OLDS.—1970-77		J 23697	Upper Control Arm Hooks	OPEL 1900-1971-75
	J 22517-02	Torsion Bar Unloader	ELDORADO—1967-77 TORONADO—1966-77		J 23705	Upper Rear Control Arm Spacer	ELDORADO—1971-77 TORONADO—1971-77
	J 22545	Rear Control Arm Bushing Installer Receiver	OLDS.—1966-70		J 23737	Rear Control Arm Spacer	ALL GM except CAD.—1971-77
	J 22610	Spherical Joint Band Installer	CAD.—1971-75		J 23742	Ball Joint Remover	ALL GM—1971-77
	J 22618	Upper Control Torque Wrench Adapter 1/2" Drive (3/4" dbl. Hex Socket)	BUICK, PONT.— 1967-75		J 23745	Ball Joint Checking Gauge	OPEL 1900-1971-75
	J 22717	Lower Control Arm Bushing Stake Remover	CHEV.—1967-75		J 23754	Lower Ball Joint Receiver	OPEL 1900-1971-75
	J 22780	Ball Joint Remover & Installer	F.B. 1967-70		J 23755	Lower Ball Joint Installer	OPEL 1900-1971-75
	J 22818	Control Arm Bushing Receiver (Use with J 21474-01)	OLDS.—"C" Axle		J 23915	Bushings Flaring Die	ALL GM 1971-77
	J 22899	Front Upper Control Arm Bushing Receiver	PONT.—1968-73		J 24258	Upper Control Arm Spacer	CHEV. L.U.V.
	J 23114	Front Knuckle Outer Seal Installer	ELDORADO—1969-77		J 24386	Lower Control Arm Bushing Remover & Installer	CHEV. "B" Car— 1965-70
	J 23115	Front Knuckle Inner Seal Installer	ELDORADO—1969-77		J 24515	Tie Strut Adjusting Wrench	CAD. "C"—1973-76
	J 24302	Lower Ball Joint Checking Gauge	OPEL—thru 1975		J 24770	Control Arm Bushing R & R (Use with J 22269-01)	ALL GM—1974-77 "A", "B", & "F"
	J 23415	Camber Adjusting Wrench (1-1/8")	CAD.—1970-77		J 24842-01	Front Suspension Hooks	CAD.—1974-76




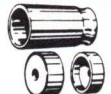











## Control Arms (Front & Rear) and Ball Joints (Continued)

	J 25056	Upper Control Arm Torque Wrench Adapter 15/16 Double Hex	ALL GM except CAD.		J 26407	Ball Joint Remover	OPEL/ISUZU; CHEVETTE
	J 25317	Rear Control Arm Bushing Remover & Replacer (Use with J 21465-17)	1975-77 MONZA, Starfire, & Sky Hawk				

## 4-Wheel Drive Front Axle






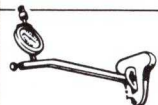








	J 6368	Bearing Cup Installer	ALL GM Vehicles		J 23445	Bearing Installer	ALL GM Vehicles
	J 6382-3	Ball Joint Installer Adapter	ALL GM Vehicles		J 23447	Adjusting Sleeve Spanner	ALL GM Vehicles
	J 6893-01	Wheel Bearing Nut Wrench	ALL GM Vehicles		J 23448	Cup & Seal Installer	ALL GM Vehicles
	J 9519-18	Pressing Screw	ALL GM Vehicles		J 23454-03	Ball Joint Remover & Installer Adapter	ALL GM Vehicles
	J 9519-23	"C" Clamp	ALL GM Vehicles				

## Spring & Air Suspension




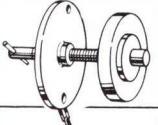





	J 6840-01	Air Suspension Pressure Gauge (0-400 lbs.)	CAD. — ALL		J 22553-01	Rear Spring Bushing Remover & Installer	Seville PONT. CHEV. BUICK, OLDS. — 1967-77
	J 6888	Valve Core Remover & Replacer	CAD., PONT., OLDS. All with air ride		J 22654	Front Coil Spring Compressor	PONT. — 1964-67
	J 7592-01	Front Coil Spring Compressor	PONT. — 1958-67		J 23028-01	Front Coil Spring Remover & Installer	CHEV., PONT. — 1968-77
	J 9552	Front Coil Spring Compressor	BUICK — 1961-70		J 24084	Front Coil Spring Repositioner	PONT., BUICK — 1971-77
	J 21689-01	Front Leaf Spring Compressor	OPEL KADETT thru 1970		J 24865	Bumper Height Lowering Spring Retaining Tool	CAD. — 1974-75
	J 21999	Automatic Level Control Valve Assembly Set (Part of J 22124)	CAD., CHEV. — 1965-75 OLDS., BUICK — 1966-75		J 25591	Front Shock Absorber Socket	CAD. Seville & ALL GM
	J 22124	Automatic Level Control Pressure Gauge Assembly (See J 21999) (0-300 lbs.)	CAD., CHEV. — 1965-75 BUICK, OLDS. — 1966-75				




***Tires & Wheels***

	J 3940	Bearing Race Remover	UNIVERSAL		J 22214-02	Front Hub Wheel Bearing Remover	ELDORADO—1967-77 TORONADO—1966-77
	J 5504-01	Wheel Stud Remover	ALL CARS		J 22214-10	Front Hub Wheel Bearing Remover Plug Set (Use with J 22214-02)	ELDORADO—1971-77
	J 8456	Front Hub Grease Retainer Installer (Use with J 8092)	CAD.—ALL C Series		J 23054	Radial Run Out Gauge	UNIVERSAL
	J 8457	Front Hub Outer Bearing Cup Installer (Use with J 8092)	CAD.—ALL C Series		J 23672	Radial Run Out Dial Indicator Adapter (Use with J 8001)	UNIVERSAL
	J 8458	Front Hub Inner Bearing Cup Installer (Use with J 8092)	CAD.—ALL C Series		J 24488	Rear Wheel Bearing Greaser	CORVETTE—1963-77
	J 8849	Front Wheel Outer Bearing Cup Installer (Use with J 8092)	CHEV. CORVAIR—1961-63 TEMP.—1961-70 CAD.—1967-69		J 24489	Rear Wheel Bearing Remover (Use with J 8433)	CORVETTE—1963-77
	J 8850	Inner Wheel Bearing Cup Installer (Use with J 8092 Handle)	CAD. SEVILLE		J 24490	Rear Wheel Spindle Installer	CORVETTE—1963-77

***Brake*****MASTER CYLINDER & BLEEDER ADAPTERS**

	J 628	Brake Bleeder Tube #10-32 Thread Fitting	ALL CARS		J 21994	Brake Bleeder Adapter-Single Master Cylinders	Delco Moraine CORVETTE—1965-66
	J 9477-01	Brake Bleeder Adapter-Single Master Cylinders	Delco Moraine—BENDIX—1962-63		J 23518-01	Tandem Brake Bleeder Adapter	ALL GM—1967-77
	J 21472	Brake Bleeder Wrench 5/16" & 3/8" Hex	ALL CARS		J 23518-8	Dual Chain Brake Bleeding Adapter (Part of J 23518-01)	ALL GM—1967-77
	J 21701	Master Cylinder Piston Installer	OPEL KADETT thru 1972		J 24305	Brake Bleeder Adapter	OPEL—1971-75
	J 21713	Brake Bleeder Adapter	OPEL KADETT thru 1972				






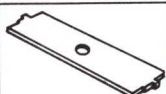



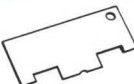
**BOOSTER - HEIGHT GAUGES**

	J 7723-01	Power Brake Push Rod Height Gauge	Delco Moraine BENDIX—1.195-1.200 Single Diaphragm		J 8531-01	Power Brake Push Rod Height Gauge	Delco Moraine—1.834-1.832
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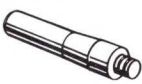







**Brake** (Continued)







**BOOSTER - HEIGHT GAUGES (Continued)**

	J 9571	Power Brake Push Rod Height Gauge	BENDIX — .995-.990		J 23325	Reaction Piston Gauge	CAD., Delco Moraine 1969-75
	J 21183	Power Brake Push Rod Height Gauge	Delco Moraine — 1.218-1.223		J 23337	Reaction Piston Gauge	PONT. — 1969-77 CHEV. — 1977
	J 22644	Power Brake Push Rod Height Gauge	BENDIX — 1967-68 1.225-1.220		J 23470	Reaction Piston Gauge	OLDS. — 1970-73
	J 22647	Power Brake Push Rod Height Gauge	Delco Moraine — 1975-1985, 1875-1885		J 24568	Push Rod Height Gauge	CHEV. L.U.V.-5
	J 22651	Power Brake Push Rod Height Gauge	Midland Ross — 1967-68; 1.079-1.100		J 26219	Power Brake Push Rod Height Gauge	BENDIX 1976-77 Seville

**BOOSTER - HYDRAULIC**

	J 24549	Spiral Ring Remover	CHEV. — 1974-77		J 24569	Hydro Boost Rod Remover	CHEV. — 1974-77
	J 24550	Spiral Ring Installer	CHEV. — 1974-77		J 25083	Piston Seal Protector	CAD. — 1976-77
	J 24551	Piston Seal Protector	CHEV. — 1974-77		J 25085	Hydro Boost #10 Socket Torx	CHEV. — 1975 CAD. — 1976-77
	J 24553	Input Rod Seal Protector	CHEV. — 1974-77		J 26410	Piston Pin Installer	CAD. — 1976-77
	J 24554	Hydro Boost Nut Socket	CHEV. — 1974-77				




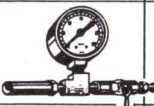
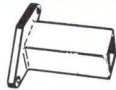

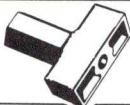


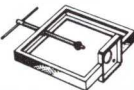
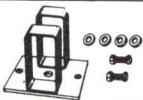

**BOOSTER - VACUUM**

	J 9504-01	Vacuum Power Cylinder Spanner Wrench (See J 22676)	BENDIX — 1962-75 Delco Moraine — 1965-75		J 21601-01	Power Brake Retainer Installer Single Diaphragm	Delco Moraine — 1964-68
	J 9540	Rear Shell Seal Installer	BENDIX — 1962-67		J 22657	Power Brake Bushing Retainer Socket	Midland Ross — 1967-68
	J 21524	Power Brake Piston Remover & Installer Single Diaphragm	Delco Moraine — 1964-74		J 22658	Power Brake Valve Body Remover & Installer	Midland Ross — 1967-68




















**Brake** (Continued)

## BOOSTER - VACUUM (Continued)

	J 22677	Power Brake Shell Seal Installer	BENDIX—1967-69		J 23101-01	Diaphragm Plate Separator	Delco—1969-77 dual diaphragm
	J 22733	Diaphragm Seal Protector (Bendix Dual)	ALL GM—BENDIX DUAL 1967-73		J 23108	Internal Vacuum Leak Tester 0-30 lbs.	CAD.—1966-77
	J 22805-01	Power Brake Vacuum Booster Holder Duo Diaphragm	PONT., CHEV., BUICK OLDS.—1968-77		J 23175	Control Valve Installer	Delco—1969-77 dual diaphragm
	J 22839	Power Brake Diaphragm Plate Holding Fixture	ALL GM BENDIX DUAL 1967-77		J 23188	Bearing Seal Protector	Delco—1969-77 dual diaphragm
	J 22884-50	Brake Booster Sep Fixture Adapter (Used with J 23456)	BENDIX—Dual—8 x 8, 1976-77—Seville		J 23456	Brake Booster Separating Fixture	ALL—Bendix & Delco dual diaphragm
	J 22893-01	Brake Vacuum Booster Separating Adapter	CHEV., PONT.—1968-73 ALL		J 23456-50	Brake Booster Separating Adapter (Used with J 23456)	1974-75 BENDIX dual diaphragm






## PISTON SEAL INSTALLERS

	J 21940	Power Brake Piston Rear Seal Installer	Delco Moraine CORVETTE—1965-67		J 22664	Power Brake Piston Ring Compressor 2"	BENDIX—1967-68
	J 22591	Disc Brake Piston Ring Compressor 2-1/16"	Delco Moraine 1967-68		J 22835	Caliper Sleeve Seal Protector	CAD.—1968
	J 22592	Disc Brake Boot Seal Installer 2-1/16"	Delco Moraine 1967-68		J 22904	Disc Brake Dust Boot Installer	CAD., BUICK, CHEV., OLDS., 69-77
	J 22626	Disc Brake Piston Ring Compressor 2-1/8"	BENDIX—1967-68		J 23572	Dust Boot Installer	GM—H Series 1971-77
	J 22628	Disc Brake Boot Seal Installer-1-7/8"	Delco Moraine—1967-77		J 24548	Disc Brake Piston Installer	CHEV.—1974-77
	J 22629	Disc Brake Piston Ring Compressor 1-7/8"	Delco Moraine 1967-77		J 24837	Front Disc Brake Piston Installer	BENDIX L-2
	J 22638	Disc Brake Boot Seal Installer-1-3/8"	Delco Moraine CORVETTE—1967-77		J 26267	Disc Brake Seal Inst.	GM H-Series 1976-77
	J 22639	Disc Brake Piston Ring Compressor 1-3/8"	Delco Moraine CORVETTE—1967-77		J 26296	Disc Brake Dust Boot Installer (Rear)	CAD.—1976-77
	J 22642	Disc Brake Piston Dust Seal Installer-2-1/8"	BENDIX—1967-69				






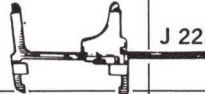





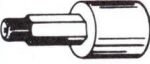




**Brake** (Continued)

**COMBINATION VALVE DEPRESSORS & GAUGES**




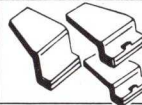





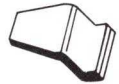




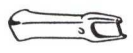
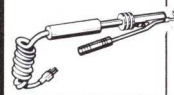








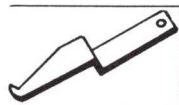
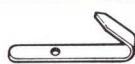
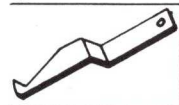
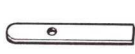
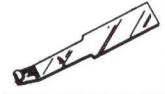

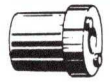

	J 22793	Disc Brake Metering Valve Actuator	PONT., TEMP., FIREBIRD 1967-69 BUICK—1968-70 Bendix & Delco		J 23770	Disc Brake Combination Valve-Metering Valve Pin Depressor	BUICK—1961-77 CAD.—1971-77
	J 23439	Metering Valve Depressor	CAD.—1970 disc brakes only		J 24657-01	Proportioning Valve Gauge	CAD.—thru 1977
	J 23709	Combination Valve-Metering Valve Actuator	ALL—Delco Kelsey-Hayes & Bendix Valves—1971-77				

**GENERAL, PISTON EXPANDERS & SPACERS**

	J 8002	Brake Cylinder Clamps (Set of 4)	ALL CARS—except disc brakes		J 21938	Power Brake Piston Retainer	Delco Moraine CORVETTE—1965-67
	J 8049	Spring Remover Installer	ALL CARS		J 22348-01	Spring Remover & Installer	See 3/4 & 1 Ton Truck
	J 8057	Brake Spring Pliers	ALL CARS		J 22364	Drum to Brake Shoe Clearance Gauge (7" to 15" Drums)	ALL Cars & Trucks
	J 9485	Brake Adjusting Tool	TEMP., FIREBIRD, PONT.—1961-68		J 22429	Disc Brake Piston Retaining Tool	OPEL KADETT— thru 1975 disc brake
	J 21177	Drum to Brake Shoe Clearance Gauge (7" to 12" Drums)	ALL CARS		J 22430	Disc Brake Expander	OPEL KADETT— thru 1971
	J 21231	Brake Self Adjusting Lever Unlocking Tool	BUICK—thru 1970		J 23017-01	Serrated Bit 10 mm	OPEL—Disc Brakes
	J 21700	Brake Backing Plate Aligning Arbor (2 req'd)	OPEL KADETT— thru 1975		J 23730	Self Adjusting Drum Brake Releasing Tool	GM-H Series



# *Glass and Weatherstrip Service Tools*



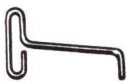






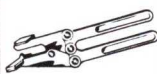

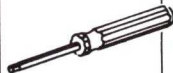


	J 2767	Windshield Glass Seal Insert Installer	ALL — GM with mech. rubber windshield seals		J 22577	Windshield Aligning Blocks (set of 6)	ALL — CHEV. trucks (except 1/2 ton) 1967-68
	J 3296	Body Cement Gun	ALL — GM		J 23394	Glass Alignment Gauge Blocks	1969-70 ventless cars except convertibles and 19 A & F hardtops
	J 5742-01	Windshield Aligning Blocks (Set of 6)	ALL — GM to 1961 and CHEV. truck 1/2 ton 1967-68		J 23520	Windshield Antenna Tester (See page )	ALL vehicles with windshield antenna
	J 5757	Mechanical Weatherstrip Installer	ALL — GM		J 23711	Glass Alignment Gauge Blocks (set of 3)	ALL — B, C, & E hardtop body styles 1971-72
	J 7898-01	Reveal Moulding Remover	ALL — GM to 1964		J 23711-5	Glass Alignment Gauge Blocks	1971-72 (68169) CAD. C body styles
	J 8942	Windshield Aligning Blocks (set of 6)	ALL — GM thru 1965		J 24350	Glass Alignment Gauge Blocks	ALL GM — 1972 A bodies
	J 21104-01	Weatherstrip Remover	ALL — GM		J 24402	Glass Sealant Remover	UNIVERSAL
	J 21549-1	Handle	See application chart Below		J 24709-01	Urethane Glass Sealant Remover (Hot Knife)	UNIVERSAL
	J 21549-3	Reveal Moulding Clip Remover	See application chart Below		J 24709-5	T Handle (Pulling)	UNIVERSAL
	J 21549-4	Windshield Adhesive Cutting Knife	See application chart Below		J 24709-6	Blade (Tapered edge)	UNIVERSAL
	J 21549-5	Reveal Moulding Clip Remover	See application chart Below		J 24792	Window Alignment Blocks (Use with J 24350-1)	1973-77 "A" Series
	J 21549-6	Reveal Moulding Clip Remover	See application chart Below		J 24811	Stationary Glass Sealant Dispensing Gun (Urethane)	UNIVERSAL
	J 21549-10	Reveal Moulding Clip Remover	See application chart Below		J 24851	Urethane Cutting Blade (Plow Type)	UNIVERSAL
	J 21549-11	Reveal Moulding Clip Remover	See application chart Below		J 24852	Urethane Cutting Blade (Model 16-AMC)	UNIVERSAL
	J 21828	Reveal Moulding Clip Installer (Use with J 21549-1)	ALL OPEL thru 1975		J 26471	Stationary Window Seal Locking Strip Installer	ALL GM, CHEVETTE "A" Wagon, 1/2 & 3/4 Ton Truck
	J 22055	Door & Quarter Window Roller Nut Socket	ALL GM — 1965-77		J 24899-01	Urethane Glass Sealant Remover 220 Volt 50 Cycle	UNIVERSAL



REVEAL MOLDINGS APPLICATION CHART



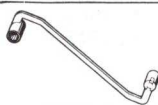

MODEL YEAR	SERIES	WINDSHIELD	BACK WINDOW	QUARTER WINDOW	SKY LIGHT WINDOW
1965	All GM except Chevy II	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6
1966-67	All GM except Chevy II	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6
1966-67	Chevy II	NONE	J 21549-1 J 21549-5 J 21549-6	NONE	NONE
1968-70	All GM	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-3 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6
1971-77	Chevelle, LeMans, etc. Nova, Ventura, etc.	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6	J 21549-1 J 21549-5 J 21549-6
1971-77	Impala, LeSabre, etc. Ninety Eight, Electra, etc. Fleetwood Seventy-Five Toronado, Riviera, etc. Camaro, Firebird	J 21549-1 J 21549-10 J 21549-11	J 21549-1 J 21549-10 J 21549-11	J 21549-1 J 21549-10 J 21549-11	NONE

## Door Service Tools















	J 2631-01	Trim Pad Depressor	ALL - GM		J 22585-01	Door Hinge Bolt Wrench-9/16"	CHEV., & GMC Truck - 1968-77
	J 6335	Trim Pad Remover	ALL - GM		J 22729	Front Door Hinge Bolt Wrench-9/16"	ALL - GM B, C, E Body 1967-70
	J 9886-01	Door Handle Clip & Trim Pad Remover	ALL - GM		J 22744	Door Hinge Wrench-9/16"	1967-68 CADILLAC "C" Body
	J 21550	Front Door Hinge Wrench	ALL - GM "A" Body 64-67 ALL - GM F, X, and X style bolt-on, 69-72		J 23457	Door Lock Striker Wrench (Seat Belt Retaining Bolt Wrench)	ALL - GM 1971-77
	J 21688-01	Door Hinge Pin Remover	OPEL KADETT - 1963-75 OPEL/ISUZU; CHEVETTE		J 23497-02	Door Hinge Spring Compressor	ALL - GM "X" styles 1971-75
	J 22213	Remote Mirror Escutcheon Nut Wrench	ALL - GM 1963-75		J 23554	Arm Rest Nut Wrench	ALL - GM 1971-72
	J 22413	Door Hinge Screw Driver Bit- #4 Posi-drive	PONT. FIREBIRD - 1967		J 23568	Door Hinge Pin Remover	ALL - GM H Series



**Door Service Tools** (Continued)

	J 23659	Door Lock Striker Wrench	1971-75 OPEL		J 24595	Door Trim Pad & Garnish Molding Clip Remover	ALL GM — 1973-77
	J 24353	Door Hinge Wrench-1/2"	GM — A & G Styles 1968-76 C, E, & F Styles — 1971-77		J 26614	13 mm Door Hinge Wrench	GM — 1977 B & C Styles

**Instrument Panel & Windshield Wiper Tools**







	J 6968-01	Radio Control Knob Nut Wrench	ALL X Car; 1969-77		J 22683-01	Stereo 8 Track Test Tape Cartridge	ALL Stereo-8 track tape systems
	J 7607-01	Ignition Switch Nut Wrench	GMC Truck 67-68 CHEV. — 55-56 PONT. — 1964-68		J 22901-01	Glove Box Nut Wrench	PONT. — 1968-77
	J 7778-01	Fog-Lamp Switch Nut Wrench (trunk lock release switch wrench)	ALL CAD. — 1959-62		J 23118	Instrument Panel Accessory Switch Punch	PONT. — 1969-70
	J 8966	Windshield Wiper Arm Remover & Inst.	A, F, H, & X Style Bodies 1971-77		J 23373	Key Identification Plug Remover	ALL GM keys
	J 21724	Light Switch Nut Wrench	ALL OPEL thru 1975		J 23724	Cassette Tape Test	ALL — Cassette Stereo tape systems
	J 21932	Adjustable Bezel And Ferrule Nut Wrench	Fit practically all bezels and ferrules		J 24593	Instrument Panel Accessory Switch Template Set	PONT. — 1973-77
	J 22123	Windshield Wiper Arm Remover & Installer	A, F, & X Body Style 1961-72 Wipers		J 24612-01	Instrument Panel Louvre Remover	CAD. — 1974-77

**MODEL IDENTIFICATION CHART**

BODY TYPE	SALES NAME	BODY TYPE	SALES NAME	BODY TYPE	SALES NAME
A	Chevelle, LeMans, etc.	D	Fleetwood Seventy-Five	H	Vega, etc.
B	Impala, LeSabre, etc.	E	Toronado, Riviera, etc.	X	Nova, Ventura, etc.
C	Ninety Eight, Electra, etc.	F	Camero, Firebird	Z	Corvair

**Trunk Service Tools**





**TAILGATE AND HOOD**

	J 7778-01	Trunk Lock Release Switch Wrench (fog-lamp switch nut wrench)	1971-75 CADILLACS		J 23408	Rear Deck Lid Torsion Bar Adjuster	1969-70 CHEV. Custom Coupes
	J 21412-02	Rear Deck Lid Torsion Bar Adjuster	A & X Body Styles 1971-77 A, B, C, & G Body Styles 1970		J 23581	Hood Latch Release Tool	VEGA — 1971-77 PONT. — 1977
	J 22291	Rear Deck Lid Torsion Bar Adjuster	E Body BUICK & OLDS 1966-70		J 23719	Rear Deck Lid Torsion Bar Adjuster	B Styles 1971-76 GM

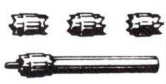








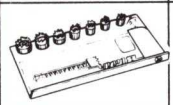


**Trunk Service Tools** (Continued)










**TAILGATE AND HOOD (Continued)**

	J 23722	Rear Deck Lid Torsion Bar Adjuster	CAD. — C & E Body Styles 1971-75		J 24877	Torque Rod Adjuster	CHEV. & PONT. H Series Wagon
	J 24854	Rear Deck Lid Torsion Bar Adjuster	VEGA Sedans — 1971-77 (removal & Installation)		J 25476	Trunk Torque Rod Adjuster	Seville

**Body Panel Service Tools**



	J 8943-01	Spot Weld Cutting Tool (With 3 Extra Blades)	UNIVERSAL		J 23367	Fender Strap Attachments (Use with J 23366 & J 23368)	ALL cars
	J 8967	Replacement Blades for J 8943-01 (Set of 6)	for the J 8943-01 cutting tool		J 23368	Power-Pull two-Ton Capacity	ALL cars
	J 21104-01	Weatherstrip Remover	ALL — Weatherstrips of GM Styles		J 23714-01	Paint Striper Tool Set	ALL cars
	J 21214	Rocker Panel Moulding Clip Liers	ALL — moulding clips		J 24189	Antenna and Access Hole Kit	Blade sizes: 1-3/4, 7/8, 1-1/16, and 3/4 inch for antennas, air conditioners and access holes, for body repair
	J 23366	Power-Pul One-Ton Capacity	ALL cars		J 24223	Blair Hole Cutter	ALL cars — 1/4, 5/16, 7/16, 1/2, 9/16 & 5/8

**Radio and Antenna Service Tools**



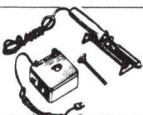


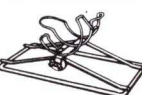

	J 8676	Antenna Nut Wrench	PONTIAC — ALL		J 23106	Antenna Nut Wrench	BUICK — 1968-69 A Body
	J 9215	Power Antenna Nut Wrench	OLDS. — ALL BUICK		J 23520	Windshield Antenna Tester	Windshield Antennas
	J 22194	Radio System Checker	ALL cars w/Mast antennas		J 24370	Slab Head Screw Driver	Delco Kit FM radio tape units
	J 22276	Antenna Lead-in Extension	PONT., BUICK — 1966-75		J 25565	Antenna-Bezel Socket	Seville
	J 22889	Antenna Nut Wrench	BUICK — 1969 A and 1968 B & C Bodies				



## Headlight Aimers






















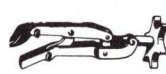









	J 21529	Guide-Matic Tester	CADILLAC—1967-75		J 25300	Head-lite Aiming Device (See Page 32)	ALL cars & Light trucks Round & Rectangular headlights
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## Roof and Convertible Top Service Tools

	J 2772-02	Headlining Installer	ALL cars		J 24416	Side Roof Rail Garnish Moulding Clip Remover	ALL GM—1973-77 A Bodies
	J 23091	Vinyl Roof Repair Tool Kit	GM Cars—except CADILLAC		J 25070	Heat Gun 500° —750° F	UNIVERSAL
	J 23455-01	Listener (See Page 72)	ALL cars		J 25070-1	Heat Gun Stand	UNIVERSAL
	J 23790	Convertible Top Tensioning Gauge	ALL GM—B, C, E 1971-76				

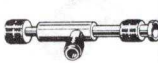




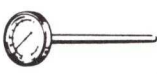




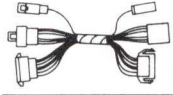


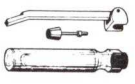




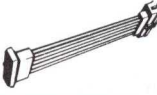
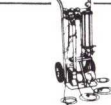








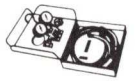


**General**
**AIR CONDITIONER**

	J 5418-1	Replacement Rubber Grommets for Charging Lines—Pkg. of 12		J 6105	Refrigerant Ratchet Wrench (1/4" Ratchet)
	J 5418-2	Replacement Valve Release Keys for Charging Lines—Pkg. of 6		J 6271-01	Refrigerant Can Opener Fits—All Valve
	J 5418-36B	Charging Line—36" Blue		J 6272-02	Multi Refrigerant Can Opener Handles—4 Cans
	J 5418-36R	Charging Line—36" Red		J 6742-03	Thermometer—Dial Type (25°-125°) Shock Resistant
	J 5418-48W	Charging Line—48" White		J 6856	Tube Wrench (1")
	J 5418-72B	Charging Line—72" Blue		J 6857	Tube Wrench (1 1/4")
	J 5418-72R	Charging Line—72" Red		J 7605-03	Oil Injector (2 oz.)
	J 5418-72W	Charging Line—72" White		J 7727	Hot Gas Bypass Valve Adjuster
	J 5420	Gauge Adapter—Straight		J 9459	Gauge Adapter—90°
	J 5421-02	Pocket Thermometer (25°-125°F) White Background		J 9505	Suction Throttling Valve Adjuster
	J 5424-1	Tube Wrench—7/8"-9/16"		J 9508	Air Conditioner Hose Remover
	J 5424-2	Tube Wrench—3/4"-7/8"		J 10550	York & Tecumseh Compressor Tool Kit
	J 5428-11	Vacuum Pump Oil Oil—1 qt.		J 21213	Temperature Test (—50° +150°F) (3 lead)
	J 5453	Safety Goggles		J 21530	Control Knob Adjuster (Comfortron)
	J 6076	Humidicator		J 22083	Suction Throttle Valve Guide Pin Set
	J 6084	Leak Detector—Liquid Propane			





**General**

**AIR CONDITIONER  
(Continued)**





















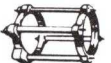
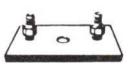


	J 22132-02	Schrader Valve Core Remover and Installer		J 23595	Domed Refrigerant Can Opener
	J 22555	Pocket Thermometer (—50° to —120°F) Yellow Background		J 23600	Belt Tension Gauge
	J 22655	Comfortron Circuit Board Amplifier Adapter (Used with J 22368-01—Olds. 1967-68)		J 23640	Thermometer Dial Type (0-220°)
	J 22667-01	Automatic Air Conditioner Door Adjuster (Pontiac)		J 23678-02	A/C Comfortron Tester (All GM—1971-75)
	J 22684-02	Automatic Temperature Control Tester (Pontiac)		J 23713-01	Programmer Test Harness (Use with J 23678)
	J 22684-51	Automatic Temperature Control Adapter (Pontiac, 1970)		J 24095	Compressor Oil Injector
	J 22860	Automatic Climate Control Vacuum Regulator (1969-70 Buick)		J 24182	V.I.R. Service Tool Set
	J 23124	Comfortron Circuit Board Amplifier Adapter (Used with J 22368-01) (1969 Chev.)		J 24340	Retaining Ring Pliers
	J 23187	Automatic Temperature Control Lever Adjuster (1969 Pontiac)		J 24364	High Capacity Vacuum Pump (3 cfm)
	J 23189	A/C Tester Adapter (1969 Cadillac)		J 24410	Portable Air Conditioning Service Station—High Capacity Vacuum Pump
	J 23390	12 lb. Disposable Can Control Opener		J 24556	A/C Charging Line Adapter—Corvette
	J 23400-01	Electronic Leak Detector		J 24612-01	A/C Louver Remover—Cadillac 74-77
	J 23471	Automatic A/C Temperature Control Tester Adapter (1970 Chev.)		J 24774	A.T.C. Harness (Use with J 23678) 1974 Pontiac & 1974-75 Cadillac, 1975 Chev. Buick
	J 23500-01	Portable Air Cond. Service Station (See Page 18)		J 24774-75	A.T.C. Harness Adapter 1975 Buick (Use with J 24774)
	J 23575-01	Complete Manifold Assembly (Includes Hoses)			



**General**
**AIR CONDITIONER (Continued)**

	J 25498	Straight 3/8" High Side Access Valve		J 25498-2	Hose Actuator Package (Use with J 25498 and J 24599)
	J 25498-1	Hose Seal Package (Use with J 25498 and J 25499)		J 25499	90° 3/8" High Side Access Valve














**4 & 6 Cylinders**
**G. M. COMPRESSORS**

	J 5139	Oil Pick-Up Tube Remover 4 & 6 cylinder		J 9399	Compressor Shaft Nut Socket (1/16" Thin Wall Hex)— 4 & 6 cylinder
	J 5403	Snap Ring Pliers (#21 Internal) 4 & 6 cylinder		J 9401	Hub & Clutch Drive Plate Assembly Remover— 4 & 6 cylinder
	J 6435	Snap Ring Pliers (#26 External) 4 & 6 cylinder		J 9402	Piston Assembly Tray— 6 cylinder
	J 7605-03	Compressor Oil Injector (2 oz. Capacity)— 4 & 6 cylinder		J 9432	Needle Bearing Installer 6 cylinder
	J 8092	Driver Handle 4 & 6 cylinder		J 9433	Suction Cross-Over Cover Seal Installer— 6 cylinder
	J 8433	Compressor Pulley Puller 6 cylinder		J 9480-01	Hub & Drive Plate Assembly Installer— 4 & 6 cylinder
	J 9392	Shaft Seal Remover & Installer 4 & 6 cylinder		J 9481	Pulley Bearing & Pulley Installer (Use with J 8092)— 6 cylinder
	J 9393	Seal Seat Remover & Installer (Carbon Seat)— 6 cylinder		J 9544	Dial Indicator (.0005" Increments Checks Compressor Shaft End Play) 6 cylinder
	J 9395	Pulley Pilot (Use with J 8433 Puller) 6 cylinder		J 9553-01	"O" Ring Remover 4 & 6 cylinder
	J 9396	Compressor Holding Fixture (Use with J 9397)— 6 cylinder		J 9564-01	Feeler Tension Gauge Set Includes: (.012", .005", .006", .007", .008", .009", .010", .011", .015", .017", .018", .019", .020", .021", .022")— 6 cylinder
	J 9397	Compressing Fixture 6 cylinder		J 9625	Pressure Test Set with Schrader Valves — 6 cylinder
	J 9398	Pulley Bearing Remover (Use with J 8092)— 6 cylinder		J 9661-01	Feeler Tension Gauge Set Includes: (.017", .018", .019", .020", .021", .022") — 6 cylinder




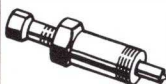
For complete tool listing and price information, refer to the Numerical Price List.

**4 & 6 Cylinders**




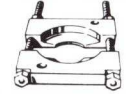






**GM COMPRESSORS (Continued)**

	J 21352	Compressor Support Block 6 cylinder		J 24896	Front Head Needle Bearing Remover —4 cylinder
	J 21508	"O" Ring Installer 4 & 6 cylinder		J 25008	Shell Remover & Installer & Holding Fixture—4 cylinder
	J 22974	Compressor Shaft Oil Seal Protector—6 cylinder		J 25029	Rotor & Bearing Assembly Installer— 4 cylinder
	J 23128	Compressor Shaft Seal Seat Remover & Installer (Ceramic Seat) 4 & 6 cylinder		J 25030	Clutch Hub Holding Tool— 4 & 6 cylinder
	J 24340	Retaining Ring Pliers 4 & 6 cylinder		J 25031	Rotor & Bearing Assembly Remover— 4 cylinder
	J 24608	6 cylinder Teflon Piston Ring Installer		J 26271	R4 Rotor & Bearing Assembly Installer
	J 24895	Front Head Needle Bearing 4 cylinder			

**DIESEL KIKI AIR CONDITIONING COMPRESSOR  
(Opel/Isuzu and Chev. LUV-5)**

	J 7624	Clutch Drive Plate Holder		J 9393	Seal Seat Remover & Installer (Carbon Seat)
	J 9392-01	Shaft Seal Remover & Installer		J 26571	Clutch Drive Plate Puller

**CHEVROLET L U V III & IV AIR CONDITIONING COMPRESSORS**

	J 7624	Spanner Wrench		J 22407	Press Plate
	J 9519-17	Bearing Receiver		J 22912-01	Bearing Remover Plates
	J 21058-6	Housing Front Bearing Installer		J 23103	Bearing Remover
	J 21468	Pulley Housing Support		J23562	Bearing Remover
	J 22175	Pulley Bearing Installer		J 24859	Piston Ring Installer



## J 25077 Catalyst Changer

### For converters with replaceable catalyst beads

### FEATURES:

- **Totally air operated**
- **Factory approved method of exchanging beads**
- **Time-Saver**                      • **On car operation**

The Kent-Moore Catalyst Changer allows efficient catalyst removal and replacement on vehicles equipped with catalytic converters containing replaceable catalyst beads. (i.e. General Motors, American Motors).

The patented design provides a means of servicing the catalytic converter without having to remove the converter from the vehicle. On-car servicing is the only factory approved method because catalytic converters are difficult to remove from most cars, especially after the car has been driven a large number of miles, without damaging the converter assembly or exhaust connections.

The catalyst changer includes a fill and emptying mechanism, a vacuum aspirator, and two hand tools used for removal of the converter drain plug. The fill and emptying mechanism clamps directly to the catalytic converter and contains an air turbine vibrator unit and discharge container. The vibrator induces a rotary motion to the catalytic converter case causing the catalyst beads to flow out the drain port and into the attached container.

J 25077-6 adapter is supplied to adapt the exchanger to the new converters which have an unthreaded access plug.



## J 25079 Windshield Wiper Systems Tester

A new easy to use windshield wiper tester developed to simplify and pinpoint exact problem locations on GM Wiper Systems from 1965 to present.

- Has both on-car and off-car test capabilities.
- Quickly and accurately pinpoints the problem.
- Lightweight, compact, and completely portable.
- Highly reliable and easy to use.
- Connectors cannot be hooked up incorrectly, eliminates errors.

With all these features, the Kent-Moore Windshield Wiper Systems Tester provides the mechanic with an instrument which he can quickly, safely, and without error, isolate defective components in GM Windshield Wiper Systems.

The Kent-Moore Windshield Wiper Systems Tester is capable of determining which of the many components involved is at fault.

1. In Dash Switch Assembly or Wiring
2. Motor
3. Gearbox Relay
4. Washer Relay
5. Pulse Relay
6. Timing Circuit
7. Wiper Mechanicals




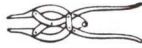



**General**


## PRESS PLATE HOLDERS

	J 358-1	4 7/8" Press Plate Holder		J 6407	4 7/8" & 6" dia. Press Plate Holder
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## PLIERS (SNAP-RING)

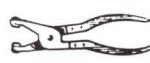

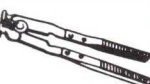

	J 932	Vacuum Grip		J 8039	Modified Vacuum Grip
	J 5172	Needle Point		J 8059	Parallel Opening Jaws
	J 5586	Modified Vacuum Grip			

## PLIERS (TRU-ARC)



	Tool No.	Ring Type	Tip Config.	Tip Diam.	Vendor Equiv. Part. No's.	Tool No.	Ring Type	Tip Config.	Tip Diam.	Vendor Equiv. Part No's.
	J 4245	Internal	St.	.070	23, 2300, 23R	J 8873	Internal	90°	.090	25-90, 2590, 2590R
	J 4646	Internal (Spring & Stop)	St.	.090	5, 4500, 5R	J 21157	Internal	45°	.070	23-45, 2345, 2345R
	J 4880	External	St.	.038	22, 2200, 22R	J 22380	Internal	90°	.150	#9, 6700
	J 5207	Internal	St.	.090	25, 2500, 25R	J 23432	External	90°	.120	#8, S 6809
	J 5403	Internal	St.	.038	21, 2100, 21R	J 24337	Internal (1 pr.)	90°	2 pr. .035 Dia.	Set 444K or 4440R
	J 6083	External	St.	.070	24, 2400, 24R		External (1 pr.)	45°	2 pr. .045 Dia.	Pliers 445 (Int.)
	J 6435	External	St.	.115	26, 2600, 26R			St.	2 pr. .045 Dia.	& 446 (Ext.)
	J 8871	External	90°	.038	22-90, 2290, 2290R	J 24338	Internal External (Interchangeable)	St.	.038	12, 12R, 1120
	J 8872	External	90°	.070	24-90, 2490, 2490R	J 24339	Internal External (Interchangeable)	St.	.070	34, 34R, 1340








**General**
**PLIERS (SPECIAL)**

	J 8404	Corbin Type Clamp Pliers		J 22716	Band-It-Clamp Pliers Toronado, Eldorado
	J 22610	Keystone Clamp Pliers		J 23373	Key Identification Plug Remover All GM Keys & AMC Keys


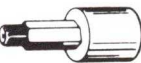






**TORQUE WRENCHES**

	J 1264-01	1/2" Square Drive	0-200 ft. lbs.		J 7754	3/8" Square Drive	0-25 in. lbs.
	J 1313-01	1/2" Square Drive	0-150 ft. lbs.		J 8398	3/4" Square Drive	0-500 ft. lbs.
	J 5853-01	3/8" Square Drive	0-100 in. lbs.		J 23728	3/8" Square Drive	0-100 ft. lbs.
	J 6459-01	3/8" Square Drive	0-50 in. lbs.		J 23729	3/8" Square Drive	0-50 ft. lbs.

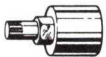

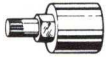




**ADJUSTABLE TORQUE WRENCHES**

	J 23775-01	3/4" Ratchet	100-600 ft. lbs.		J 24406	3/8" Ratchet	5-100 ft. lbs.
	J 24404	1/4" Ratchet	5-200 in. lbs.		J 24407	1/2" Ratchet	10-250 ft. lbs.
	J 24405	3/8" Ratchet	10-250 in. lbs.				








**SPECIAL BITS**

	J 7595	#2 Phillips Screw Driver Bit		J 23017-01	10mm 1/2" Drive 1.1 Liter Head Bolts—Opel
	J 22413	#4 Posi-Drive Screwdriver Bit— American Motors		J 23457	#50 Torx Door Lock Striker— All GM 1968-75
	J 22915-01	12mm 1/2" Drive 1.5 & 1.9 Liter Head Bolts—Opel		J 23656	6 mm 3/8" Drive Oil Pump Return Line Retaining Bolts—Opel
	J 23016-01	8mm 3/8" Drive—Opel—All Engines		J 23659	5mm x 3/8" Drive Hex Key Socket— Opel Door Striker—1973



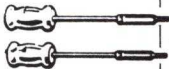



**General****SPECIAL BITS  
(Continued)**

	J 24392	#30 Torx		J 24640	#20 Torx
	J 24393	#40 Torx		J 25085	#10 Torx Socket
	J 24394	#45 Torx		J 25359	Torx Bit & Socket Set (#20, #25, #27, #30, #40, #45, #50) 1/4 & 3/8 Drives Sockets #6, #8, #10 Sockets
	J 24628-2	#25 Torx			

**TORQUE WRENCH ADAPTERS**






	J 5583	1/2" Female to 3/4" Male		J 9639	1/4" Square Drive—3/8" Square (1" Between Centers)
	J 8004-01	1/2" Square Drive—3/4" Double Hex—4 1/2" Long		J 21881	1/2" Square Drive—5/8" Double Hex—4 1/2" Long
	J 8068	3/8" Female to 1/2" Male		J 23410	Torque Wrench Multiplier (See J 23413 on page 51) 3/4" Square Drive Output—1/2" Input 0-750 ft. lbs. (Used with J 1264-01)
	J 9113-01	3/8" Square Drive—1/2" Double Hex (1 1/16" Between Centers)			

**SLIDE HAMMERS**






	J 2619-01	5/8"-18 Thread with 1/2"-13 Adapter		J 6471-4	Adapter 1/2"—20 Part of J 6471-02
	J 6125	5/16"-18 Thread with 3/8"-16 Adapter (Set of 2)		J 6471-5	Adapter 3/4"—10 Part of J 6471-02
	J 6258	Adapter Male 1/2" x 13 with Female 3/4" x 16		J 6471-6	Adapter 3/4"—16 Part of J 6471-02
	J 6471-02	5/8"-18 Thread Slide Hammer Puller & Adapters. Adapters listed below are included.		J 6471-7	Adapter 1"—14 Part of J 6471-02
	J 6471-2	Adapter 3/8"—16 Part of J 6471-02		J 6471-8	Adapter 1/2"—13 (Part of J 6471-02)







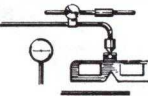

**General**SLIDE HAMMERS  
(Continued)

	J 6471-9	Adapter $\frac{1}{16}$ —20 (Part of J 6471-02)		J 6471-15	Adapter $\frac{1}{4}$ Pipe (Part of J 6471-02)
	J 6471-10	Adapter $\frac{3}{16}$ —18 (Part of J 6471-02)		J 6585-01	$\frac{1}{16}$ -14 Thread with $\frac{3}{16}$ -18 Adapter (Set of 2)
	J 6471-11	Adapter $\frac{5}{8}$ —11 (Part of J 6471-02)		J 7004	$\frac{3}{8}$ -16 Thread (Set of 2)
	J 6471-12	Adapter $\frac{7}{8}$ —14 (Part of J 6471-02)		J 8118	Adapter $\frac{1}{8}$ Pipe
	J 6471-13	Adapter $\frac{7}{8}$ —9 (Part of J 6471-02)		J 9276-21	Adapter $\frac{3}{8}$ —24 Part of J 6471-02
	J 6471-14	Adapter $\frac{1}{2}$ Pipe (Part of J 6471-02)			

## DRIVER HANDLES &amp; EXTENSIONS





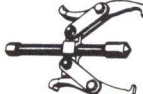
	J 7079-2	Driver Handle (For Non-Threaded Type Drivers) (8" long)		J 21054-1	Driver Handle (26" long)
	J 8092	Threaded Type $\frac{3}{4}$ -10 (9" long)		J 21465-13	Driver Handle Extension $\frac{3}{4}$ x 10 Male & Female Thread
	J 8592	Threaded Type $\frac{3}{4}$ -10 (12" long)			

## DIAL INDICATORS &amp; EXTENSIONS







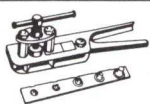

	J 5339	Dial Indicator Plunger Extension $1\frac{3}{8}$ " Long (Use with J 8001 or J 9544)		J 8001	Dial Indicator Set (.001" Increments—.100 Travel)
	J 7057	Dial Indicator Plunger Extension $2\frac{1}{2}$ " long (Use with J 8001 or J 9544)		J 9544	Dial Indicator (.0005" Increments—.100 Travel)
	J 7872	Magnetic Base Indicator Set		J 23672	Radial Run Out Dial Indicator Adapter (Use with J 8001) (UNIVERSAL)

**General**

## UNIVERSAL PULLERS &amp; ADAPTERS

	J 8111	Utility Puller Set		J 22888-02	Side Bearing Puller with Adapters
	J 22588-03	Side Bearing Puller & Adapters		J 24420	Universal Bar Puller Range 1 1/4" Dia. thru 4" Dia.
	J 22888	Side Bearing Puller			

## TUBE FLARING TOOLS

	J 2185-A	Double Lap Flaring Tool Set 37 Degrees for 3/16, 1/4, 5/16, 3/8 and 1/2" diameter tubing (Complete in metal box)		J 23531	Slip-on Tube Bender 3/16" Bending Spring
	J 2185-B	Double Lap Flaring Tool Set 45 Degrees for 3/16, 1/4, 5/16, 3/8 and 1/2" diameter tubing (Complete in metal box)		J 23532	Slip-on Tube Bender 1/4" Bending Spring
	J 6892	Double Lap Flaring Tool— 45 Degrees for 3/16, 1/4 and 5/16 diameter Tubing		J 23533-01	Tube Cutter
	J 23530	Flaring Tool 45° Single & Double Flare		J 25310	Tube Bender 1/4" thru 7/16"

For complete tool listing and price information, refer to the Numerical Price List.

**WARRANTY**

The tools in this catalog are warranted to be free from defects and workmanship under normal use and service for a period of one year after the sale of the product by Kent-Moore. Kent-Moore's sole obligation under this Warranty shall be to repair or replace any defective product or parts thereof, which are returned to Seller's factory, transportation charges pre-paid within the period mentioned above, and which upon examination are proved to Seller's satisfaction to be defective. The Warranty shall not apply to any product or part which has been subject to misuse, negli-

gence or accident. The Seller shall not be responsible for any special or consequential damages and the Warranty as set forth is in lieu of all other warranties either expressed or implied.

However, seller makes no warranty of merchantability in respect of any of the goods offered in this catalog for any particular purpose other than that stated in this catalog and any applicable manufacturer's shop or service manuals referred to therein, including any subsequent service bulletins.



### J-23455-01 The Listener



With the Listener the technician will be able to detect the sound of escaping air from any unit pressurized with a minimum of 2.5 PSI. The J 23583-01 Pressure Test Kit can induce pressure where none exists to allow the leak checking of the following components: Automatic transmissions, Rear axle assemblies, Slow leaks in tires, Truck air brake system, Radiators, Vacuum systems, Air ride systems, Engine crankcase. The Listener will detect sounds in the 35,000 to 45,000 cycles per second range which are not heard by the human ear. This range of sound is generated by our Son-Caster, which can be used when it is impractical to pressurize a large area. This allows the leak checking of the window seals and the trunk seal.

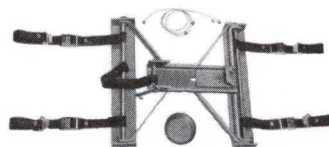
### J-24709-01 "T" Handle Super Hot Knife



The J-24709-5 "T" handle will adapt to all previously released J-24709 Hot Knives to allow the updating of all knives to the new improved design. The J-24709-6 Blade is also an improved blade, both for improved cutting and for additional strength. Both the new "T" pull handle and tapered blade are part of the new assembly J-24709-01 that is required to cut the new stationary glass sealant urethane.

This knife is designed to operate on 110 Volt AC Power and over 700°F is delivered to the cutting blade. This heat enables the technician to quickly and easily remove the windshield.

### J-25063 Fuel Tank Cradle



The Kent-Moore inexpensive Fuel Tank Cradle was designed to solve one of your service department's problems—fuel tank removal. Now, one man can remove (and install) a full tank from most vehicles. Pumping or syphoning the tank is no longer necessary, thus insuring against contamination and loss of fuel.

This versatile cradle, when attached to a transmission or floor jack, provides a sturdy support (Cradle) for the fuel tank while the tank support straps are disconnected. Lowering the tank from the vehicle can then be easily accomplished by lowering the jack.

### J-25310 Universal Tube Bender for 3/16, 1/4, 5/16, and 3/8 Tubing



Now it's possible to bend the four most commonly used tubes, 3/16", 1/4", 5/16", and 3/8" O.D. on one tool. Makes smooth short radius bends up to 180° with minimum effort calibrated to show angle of bend. Bender is of the open side type which allows the bender to slip over the tube at any point. This new bender is made of a fiberglass filled plastics for strength and durability.



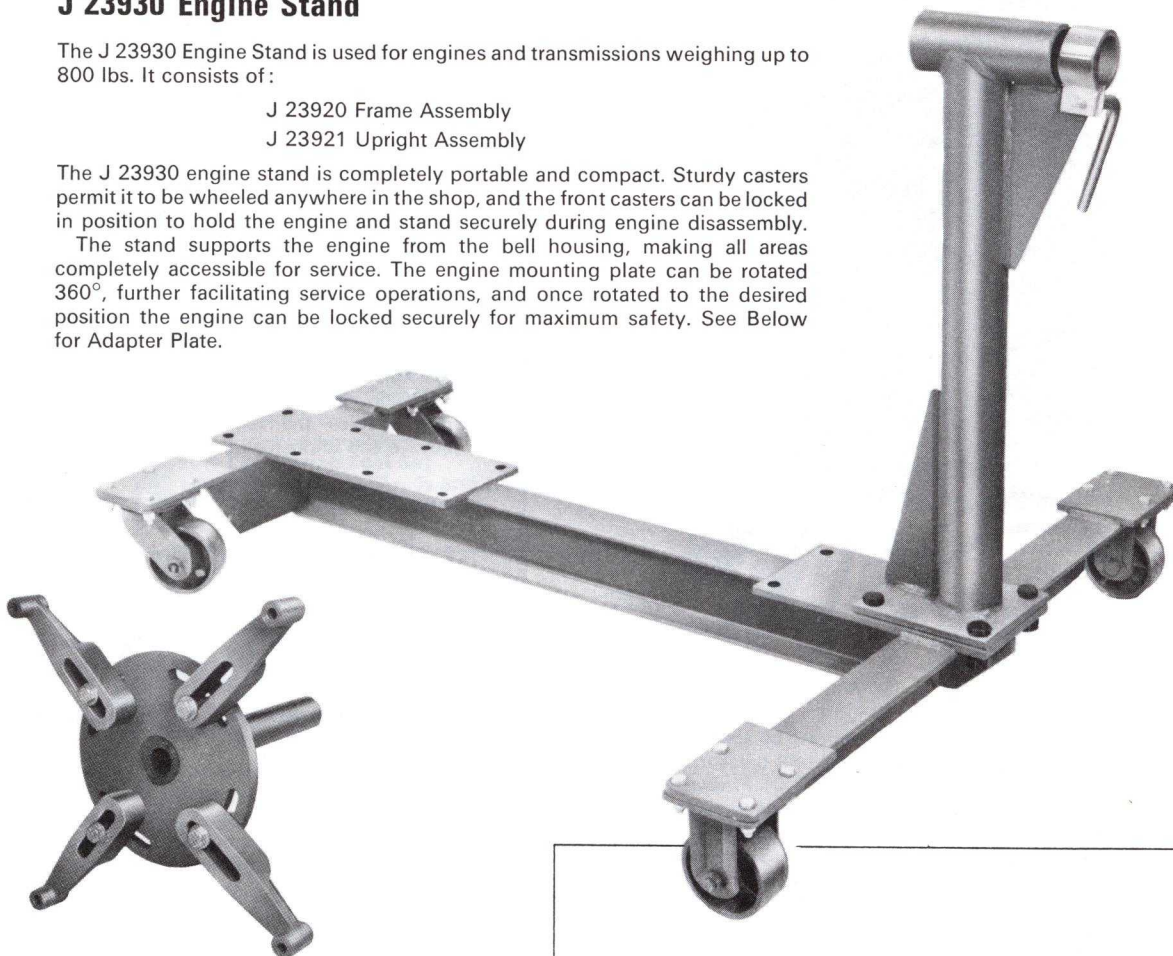
## **J 23930 Engine Stand**

The J 23930 Engine Stand is used for engines and transmissions weighing up to 800 lbs. It consists of:

- J 23920 Frame Assembly
- J 23921 Upright Assembly

The J 23930 engine stand is completely portable and compact. Sturdy casters permit it to be wheeled anywhere in the shop, and the front casters can be locked in position to hold the engine and stand securely during engine disassembly.

The stand supports the engine from the bell housing, making all areas completely accessible for service. The engine mounting plate can be rotated 360°, further facilitating service operations, and once rotated to the desired position the engine can be locked securely for maximum safety. See Below for Adapter Plate.



Accessories for the J 23930 Engine stand include:

### **J 23925 Adapter Plate and Arms**

This adapter plate and arm assembly will adapt to most engines. The adapter arms will rotate to any combination of engine hole positions for fast, foolproof connections.

**J 23924 Adapter Sleeve.** This adapter sleeve is designed to accommodate any of the following transmission holding fixtures.

- J 6115-02 Transmission Holding Fixture
- J 6638 Transmission Holding Fixture
- J 7896-01 Transmission Holding Fixture
- J 8763-02 Transmission Holding Fixture
- J 21533 Transmission Holding Fixture
- J 22240 Transmission Holding Fixture

*Accessories must be purchased separately and are not included with J 23930 Engine Stand.*

## **THE MODULAR CONCEPT**

The new modular stands by Kent-Moore all utilize the same frame assembly. There are two different upright assemblies that may be attached to this frame depending upon the weight of the engine. By utilizing one frame for both a light weight and heavy weight stand, it is no longer necessary to purchase two complete stands. This will result in a substantial money savings.



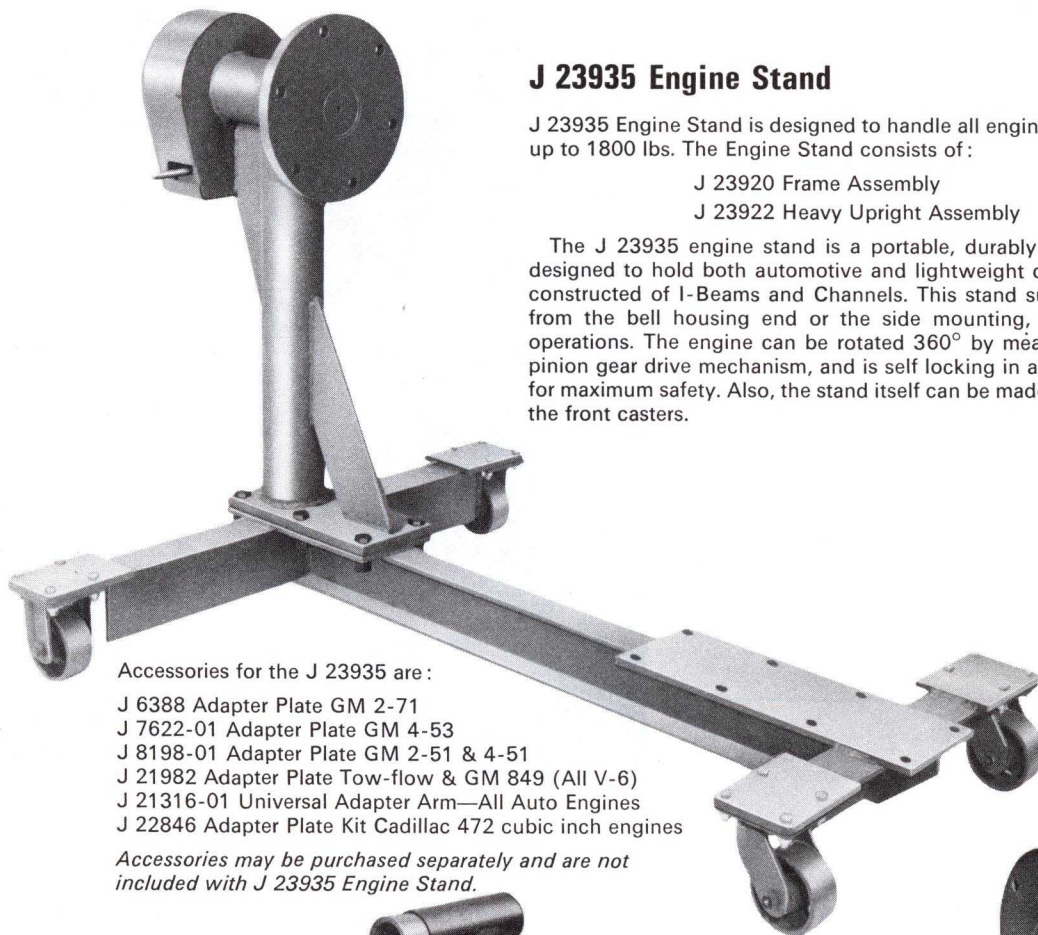
### J 23935 Engine Stand

J 23935 Engine Stand is designed to handle all engines or transmissions up to 1800 lbs. The Engine Stand consists of:

J 23920 Frame Assembly

J 23922 Heavy Upright Assembly

The J 23935 engine stand is a portable, durably constructed stand designed to hold both automotive and lightweight diesel engines. It is constructed of I-Beams and Channels. This stand supports the engine from the bell housing end or the side mounting, facilitating service operations. The engine can be rotated 360° by means of a worm and pinion gear drive mechanism, and is self locking in any desired position for maximum safety. Also, the stand itself can be made secure by locking the front casters.



Accessories for the J 23935 are:

J 6388 Adapter Plate GM 2-71

J 7622-01 Adapter Plate GM 4-53

J 8198-01 Adapter Plate GM 2-51 & 4-51

J 21982 Adapter Plate Tow-flow & GM 849 (All V-6)

J 21316-01 Universal Adapter Arm—All Auto Engines

J 22846 Adapter Plate Kit Cadillac 472 cubic inch engines

*Accessories may be purchased separately and are not included with J 23935 Engine Stand.*

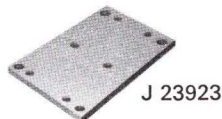
### J 23931 Engine Stand

The J 23931 Engine Stand for engines and transmissions weighing up to 800 lbs. The J 23931 consists of:

J 23923 Mounting Plate

J 23921 Upright Assembly

This stand is designed to be mounted to the floor. The J 23921 upright assembly can easily be removed from the J 23923 mounting plate and mounted on the J 23920 frame assembly for mobility. All accessories for the J 23930 are available for usage on the J 23921 upright assembly.



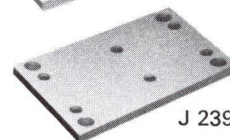
J 23923

### J 23936 Engine Stand

J 23936 Engine Stand—for all engines or transmissions weighing up to 1800 lbs.

This floor mounted stand consists of the J 23923 mounting plate and the J 23922 Heavy Upright Assembly. Many service centers prefer this type of stand. It can also be mounted to the J 23920 Frame Assembly if there is a need.

Accessories same as J 23935 Engine Stand.



J 23923

*For complete tool listing and price information, refer to the Numerical Price List.*



## **J 22243-01 Mile-O-Meter**

*Gas-per mile gauge... the easy,  
safe, accurate way to prove your point.*

In an effort to help your customer achieve optimum fuel economy, you've probably been promoting good driving habits and good vehicle condition for years. Now, with your customer's immediate concerns about the cost of operating his vehicle and his desire to conserve fuel, he's ready to listen. MILEOMETER will back you up all the way. Many hours of laboratory and field testing have made MILEOMETER the safest, most accurate gas-per-mile gauge on the market. It's the sales tool you need to answer today's fuel economy questions—easily and quickly.

### **SIMPLE TO USE**

#### **Idle test**

To gauge idle consumption per minute, read the clicks on the digital counter and compare with time.

#### **Acceleration test**

Turn on counter when starting, turn off when desired speed is reached.

#### **Mile-per-gallon test (or fraction of gallon).**

Turn on counter when starting test and check odometer reading, turn off counter at desired consumption figure and read odometer.

#### **SAFE**

Only the compact, easy-to-read digital counter is located in the passenger compartment. Everything else is under the hood. MILEOMETER can be easily operated by one person in heavy traffic.



### **EASY TO HOOK UP**

It takes just five minutes to put MILEOMETER in action...even on models where the fuel pump is located in the gas tank.

1. Hang box on a convenient location under the hood.
2. Disconnect fuel line between carburetor and fuel pump. Connect hoses to carburetor and fuel pump.
3. Connect wires to 12 volt battery.
4. Bring counter to driver's seat or dashboard. No vials to fill...no complicated calculations to make. MILEOMETER'S ready to count off every 1/1000 of a gallon.
5. Complete operating and installation instructions are supplied with the unit.







# Kent-Moore

Service Tools  
for Over  
60 Years



**Kent-Moore**  
**TOOL DIVISION**

1501 SOUTH JACKSON STREET ■ JACKSON, MICHIGAN 49203  
Telephone: 517/784-8561 Telex: 22-3413

*IN CANADA*

KENT-MOORE OF CANADA, LTD.  
2465 CAWTHRA ROAD; L5A 3P2  
MISSISSAUGA, ONTARIO